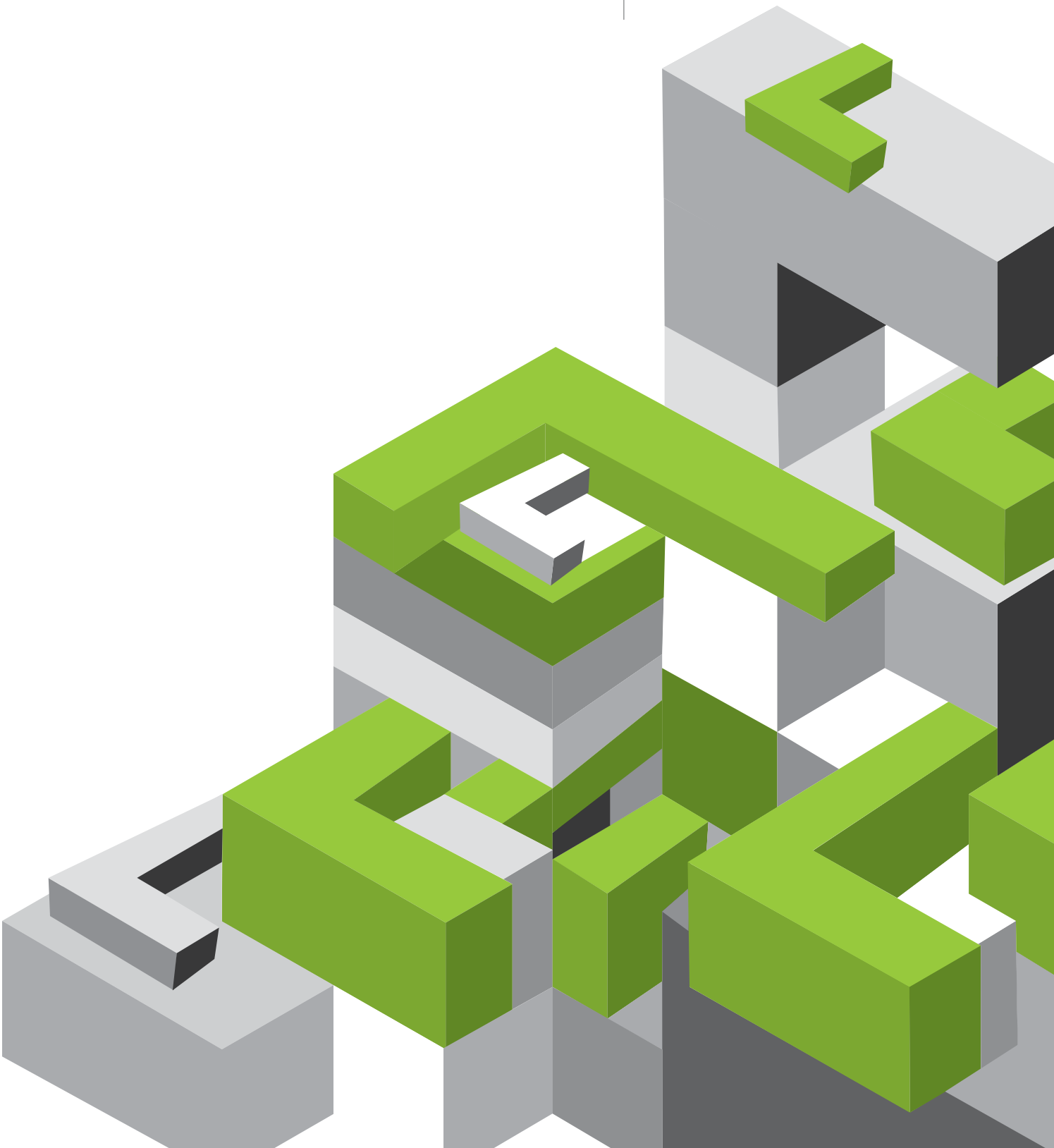
OUTWEAR®

FACADE SYSTEMS



OUR BRANDS AND PRODUCT GROUPS

AYGIPS® AYGIPS Powder plaster product group is uses at brick, pumice, gas concrete, concrete surfaces and over AYPAN . Gypsum plaster with perlite, satin finishing plaster, machine spray plaster, cornice plaster-plaster of paris (POP), plasterboard adhesive gypsum, ceramic molding gypsum, joint filling plaster, gypsum based masonry mortar and construction gypsum are our powder plaster products.

AYPAN® AYPAN includes plasterboard, profiles, accessory, screw and dowel products which are used at indoor systems. AYPAN plasterboard product groups produced at 6-8-12,5-15 and 18 mm. AYPAN White, AYPAN Green, AYPAN Red, AYPAN More, AYPAN D white, AYPAN D More, AYPAN D plus, AYPAN M Green and AYPAN M More are our plasterboard products.

AYSIST® AYSIST includes acoustic plasterboard, painted plasterboard, texture covered plasterboard, painted acoustic, painted plasterboard, carrier T systems and accessories products which used at indoor systems. Plasterboards have different sizes; 60x60, 60x120 and 120x240, different thicknesses and different edge types.

OUTWEAR® OUTWEAR Products are durable for outdoor weather conditions, A1 class fireproof, irresponsive for moisture and mold, impact-resistant, light, elastic and easy for apply. It provides easiness at application for areas with proper projected profiles and accessories group, is uses integrated with a system external wall, ceiling, interior wall and ceiling.

OUTWEAR®

FACADE SYSTEMS

OUTWEAR® (GM-FH1-IR)

OUTWEAR® is a high performance product because of glass fiber and special nuclear structure. It is durable for, fire, moisture, mold and impact. Because of light weight and easiness for applications, it provides fast, practical and economical construction solutions.

OUTWEAR® does not include any harmful materials for both human health and nature.

At outside applications, OUTWEAR® commonly uses building external wall, under eaves coverage, curvilinear structure solutions, building flue, preconditioning existing facade, protecting EIFS from impacts.

At interior applications, OUTWEAR® commonly uses at areas which need fire proof (A1 class) or places which contains high level of moisture and mold (laundry, sports facilities) or any kind of curvilinear structure places (bathhouse dome) and places need for impact resistance.

OUTWEAR (TYPE GM-FH-IR)		
	General Type	All Types
Length	2000 - 3600 mm	2000 - 3600 mm
Width	1200 mm	1200 mm
Thickness	12,5 mm	15 mm
Approximate Weight	≤ 12 kg/m²	≤ 14,5 kg/m²
Flexion Break - Vertical To Liner Fibers	≥ 725 N	≥ 870 N
Flexion Break - Horizontal To Liner Fibers	≥ 300 N	≥ 360 N
Edge Type	TE - Tapered Edge SE - Square Edge	TE - Tapered Edge SE - Square Edge
Thermal Conductance - λ	0,25 W/mK	0,25 W/mK
Core Resistance	≥15 Minutes	≥15 Minutes
Fire Reaction	A1-s1,d0	A1-s1,d0
Water Absorption (g/m²)	≤ 180	≤ 180
Total Water Absorption (%)	≤ 5	≤ 5
Impact Mark Diameter (mm)	≤ 15	≤ 15
STANDARDS		
STANDARD	TS EN 15283-1 + A1	TS EN 15283-1 + A1
PACKAGE		
BOARDS AT PALLET	50	40

A1 CLASS FIRE PROOF

Under fire conditions it maintains integrity with long period of time. Is does not release any harmful gasses till burning.

EASY TO CUT

Easy to cut on horizontal floors by carpet knife.

EASY TO MONTAGE

Easy montage board to behind profiles by screwing with drill. All areas on the board surface are suitable for screwing.

IMPACT RESIST

Thread of product composed with special felt coating and get strengthen core to be an impact resist.

LIGHTWEIGHT

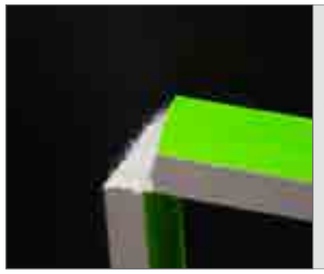
One person can easily carry 1200x2400x12,5 mm sizes board which has approximate weight ≤ 12kg/m²

ELASTIC

Because of Fiberglass fibers structure, it can used at curvilinear places. (diameter: till 120 cm)

DURABLE FOR MOISTURE AND MOLD

Uses at areas pool, spa, bathhouse which include higher moisture. At outside applications it is resistant to any conditions without coating.



STRENGHTEN BY FELT TYPE FIBERS

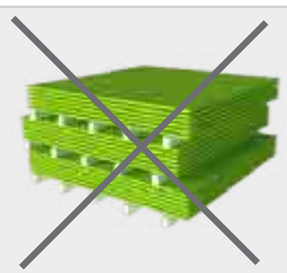
Core and coating are strengthen by felt type fiber and fiberglass.

OUTWEAR SYSTEM ADVANTAGES

- Provides fire proof facade solutions.
- Protects under eaves.
- Increases building sound and heat isolation performance.
- Provides fast and easy wall building.
- Protects applied places (facade, basement, etc..) from impact.
- Protecting EIFS.
- Provides wanted dynamism on facade.
- Lightweight systems, do not impose burden on building.
- Provides to get plumb and straightedge surfaces.
- Provides larger interior spaces against to traditional walls.

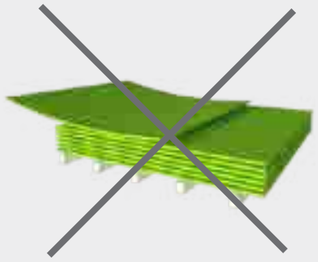
OUTWEAR STORAGE / CARRYING

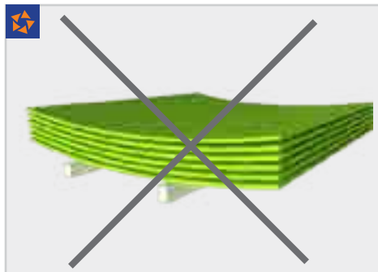
OUTWEAR boards should stocking by packaged with wedge maximum 6 piece



OUTWEAR pallets should be regularly stowage.

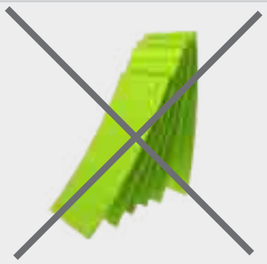
Boards should not be pulled by rubbing on OUTWEAR pallets.

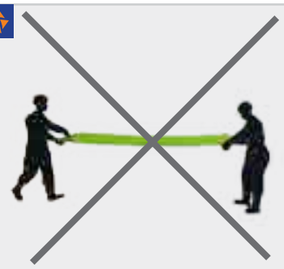




Enough wedges should placed under the pallets.

OUTWEAR boards should not be stored by lean on wall.

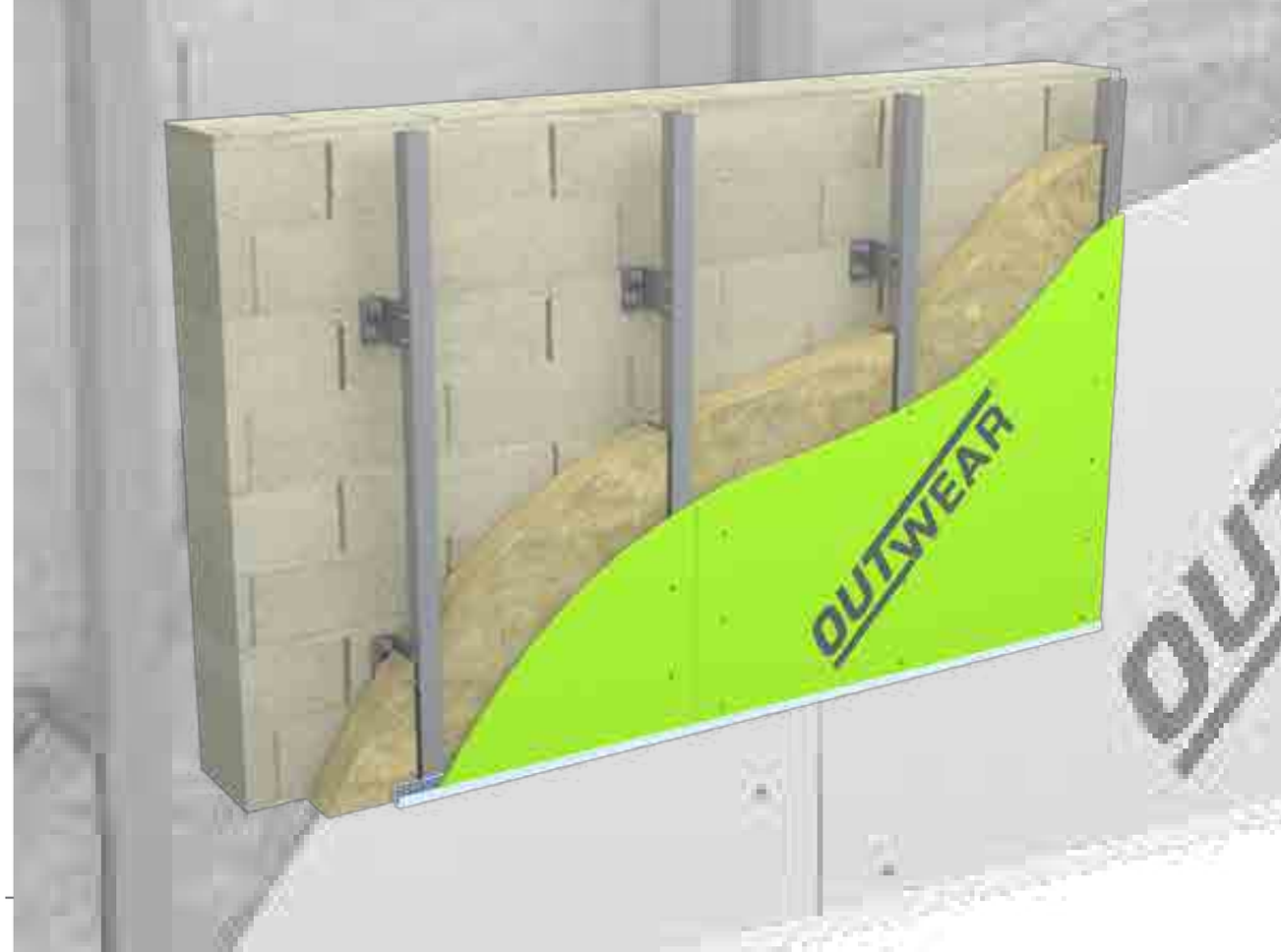


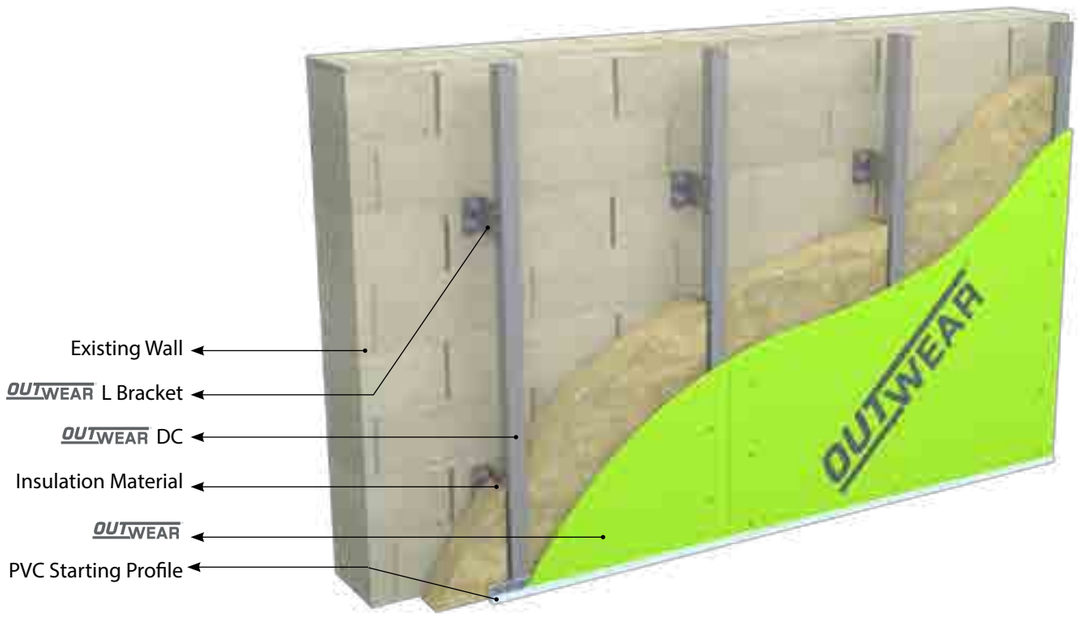


OUTWEAR boards should carry as a vertically with 2 people.

EXTERIOR WALL LINING SYSTEMS

EXTERIOR WALL LINING OVER EXISTING WALL





As indicated its technical specifications, Wall Lining System is suitable for use over existing wall (brick, pumice, gas concrete, etc.). The carrier system is constructed by fixing the OUTWEAR L brackets on the existing wall and fastening the OUTWEAR DC or T profiles. OUTWEAR plasterboards are screwed to carrier system. Insulation plate (rock wool) could be placed through profiles to meet the insulation needs.

- ► Allows the redesign of the old building faces.
- ► Increases the thermal insulation performance of the building.
- ► Ensures obtaining smooth surface and balanced wall used for EIFS over rock wool and prepares surface prior to plaster or painting applications.
- ► Protects the mantle from external impact and various weather conditions (such as extreme wind load).
- ► Provides A1 class fire resistance for exterior facade.
- ► Protects exterior facades from moisture and mold.
- ► Eliminates extra structural load to the facade without any force to carrier system.
- ► Corrects the structural plumb deteriorations on facade.
- ► System is proper for future applications with materials such as brick, ceramic, granite.

Building Height	Axial Gap (cm)	Profile
Up to 8 meters	60	DC 75 or T
Between 9 m- 20 m	60	DC 75 or T
Between 21 m- 100 m	40 or 60	DC 100 or T

This system can be built along the height of the building.

No	Material	Axial Gap		Unit
		40	60	
1	OUTWEAR (12,5 mm)	1,05	1,05	m^2
2	OUTWEAR L Bracket (Z 275)	3,90	2,70	pieces
3	OUTWEAR DC (Z 275)	2,80	1,90	mt
4	Rock wool	1,05	1,05	m^2
5	OUTWEAR Self Drilling Screw (3,5x25 mm)	20	15	pieces
6	OUTWEAR Self Tapping Beat Screw	7,80	5,40	pieces
7	Proper Dowel and Screw for Existing Wall	4,20	2,90	pieces
8	OUTWEAR PVC Starter Profile	1,05	1,05	mt
9	OUTWEAR Joint Tape	1,80	1,80	mt
10	OUTWEAR Joint Filling	4,00	4,00	kg
11	OUTWEAR Plaster Mesh	1,05	1,05	m^2
12	OUTWEAR Meshed PVC Corner Profile	0,90	0,90	mt

Material analysis is calculated for 4m x 2, 5 m = 10 m^2 wall area. 5% waste is included to analysis.

This system loads 21 kg/m^2 to the facade. 5% waste is included to calculations.

The data is valid for painting over plaster on the wall. For different finishing layers(brick, ceramic, granite, wood, etc..) you can contact with our technical unit.

Technical Specifications

- ► Snap a chalk line with 60 cm horizontal and 70 cm vertical intervals on the wall surface to mark the places of the L brackets to be fastened.
- ► Determine the proper L bracket lengths to be used for gauging the surface and installing the insulation material with proper thickness.
- ► Fasten the OUTWEAR L Brackets with appropriate dowels selected special to conditions.
- ► Fix sized OUTWEAR DC or OUTWEAR T profiles to OUTWEAR L Brackets by using OUTWEAR hex-head self-drilling screws with gasket from two points.
- ► Assemble proper insulation material determined due to project details without any gap within the OUTWEAR profiles.
- ► Fasten the OUTWEAR PVC Starting Profile beneath the OUTWEAR profiles by OUTWEAR self-drilling screws.
- ► Place the OUTWEAR Plasterboards through PVC Starting Profile on the ground.
- ► Screw pre-sized OUTWEAR plasterboards in staggered manner vertically for each 20 cm.

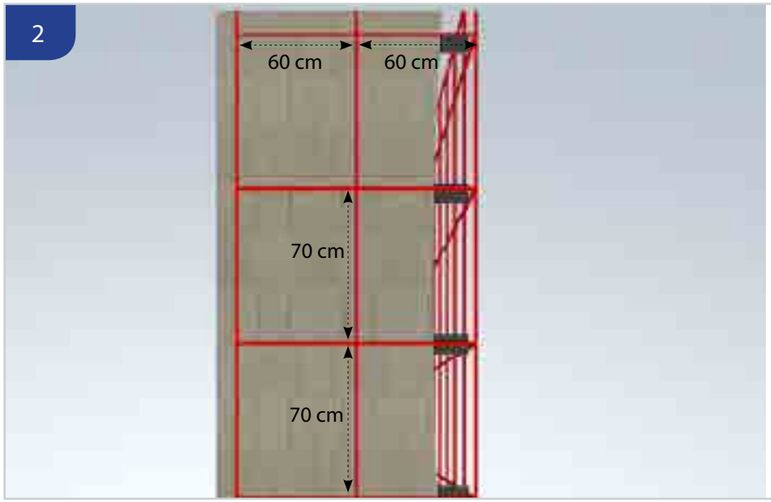
The surface can be finished by external EIFS, plastering or coating application. For detailed information see chapter "Coating applications over OUTWEAR".

NOTE: Analyses are valid for the cases where the steel dowel is firmly fixed to the existing wall surface. If the steel dowel is not firmly attached to the frontage, contact our technical department for system suggestion.

1

Wall lining systems used for refurbishment projects on existing building facades. It provides extra strength for buildings that need to EIFS and for surfaces that have damaged paint or plaster applications desired to be strengthened.

2



The facade should be prepared.

Locations where L brackets would be fixed to the existing building surface should be marked with 70 cm vertical and 60 cm horizontal intervals.

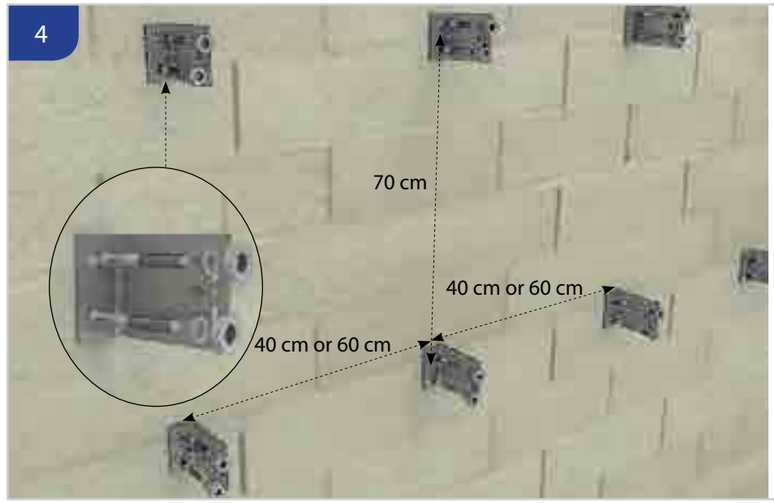
The damaged surfaces such as plaster paint on the facade where L brackets would be fixed should be cleaned up to reach the solid floor.

3

Proper dowel should be chosen.

Type of the wall (brick, pumice, gas concrete, etc.) must be considered while selecting proper dowel to be used for fixing OUTWEAR L brackets.

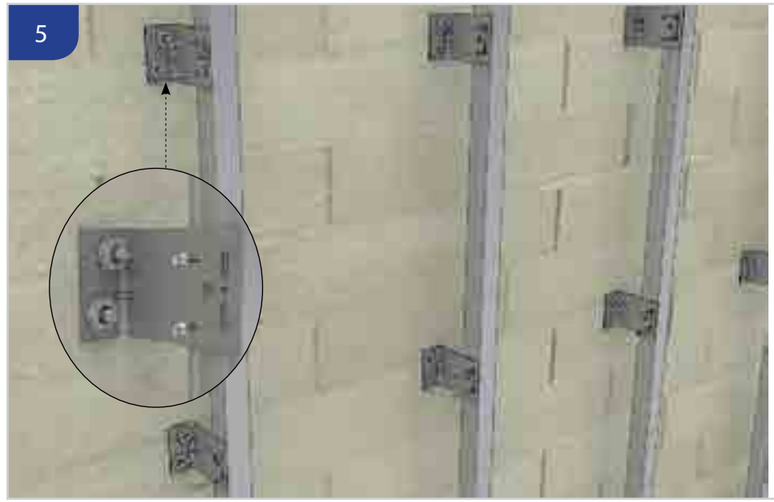
4



OUTWEAR L brackets should be fixed to the wall.

Selected OUTWEAR L brackets with proper length must be fastened to the existing wall for each 40 or 60 cm interval specified at the project by proper dowels.

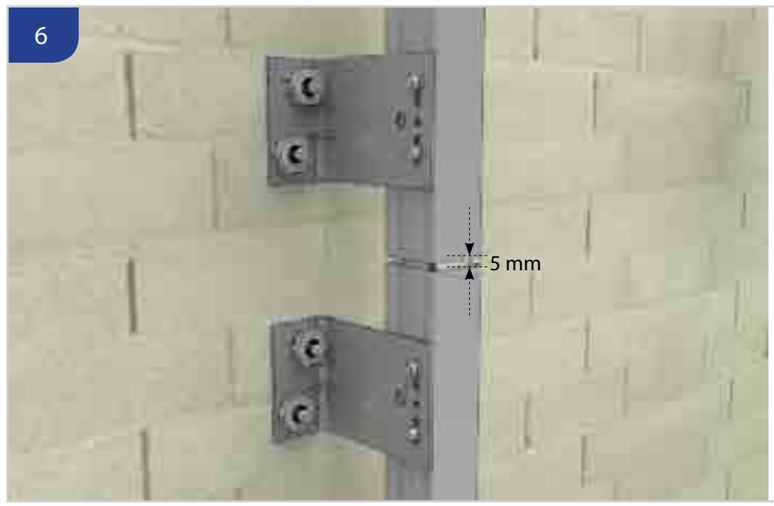
5



OUTWEAR DC or T profiles should be screwed.

OUTWEAR DC or OUTWEAR T profiles should be fixed to OUTWEAR L Brackets by using OUTWEAR hex-head self-drilling screws with gasket.

6



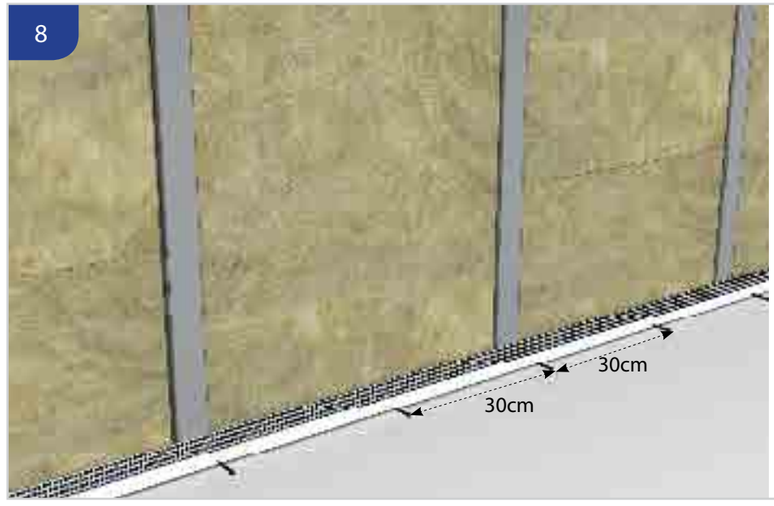
A gap of 5 mm in vertical axis should be left between subsequent joints of DC or T profiles.

7

Insulation material should be placed.

Heat insulation plate should be placed without any space between the OUTWEAR profiles. Joints of adjacent insulation plates should be staggered to avoid heat bridge formation.

8



OUTWEAR PVC starting profile should be fastened.

The OUTWEAR PVC starting profile should be fastened on the OUTWEAR profiles at 30 cm intervals by OUTWEAR self-drilling screws to disconnect floor contact.

9

OUTWEAR plasterboard should be placed.

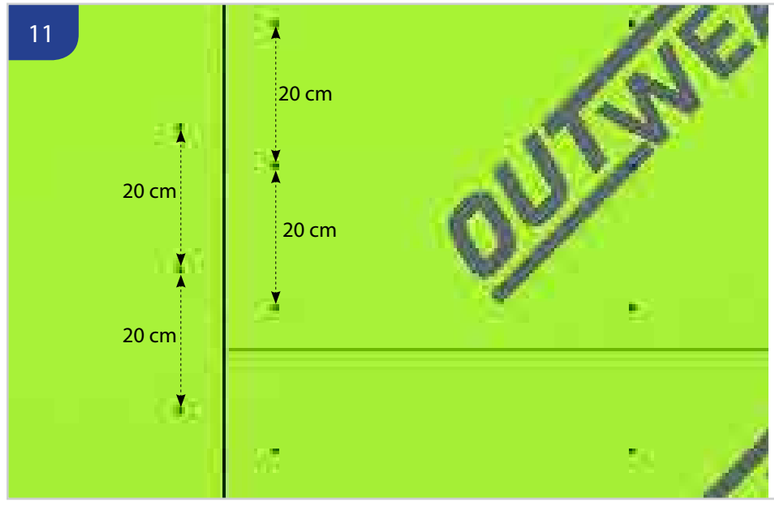
OUTWEAR Plasterboards should be screwed by placing through PVC Starting Profile.

10

OUTWEAR plasterboard should be screwed.

After OUTWEAR plasterboards are sized and they should be screwed on profiles alternately.

11



OUTWEAR plasterboard should be screwed.

The OUTWEAR plasterboards should be fixed with 20 cm vertical intervals by OUTWEAR self-drilling screws.

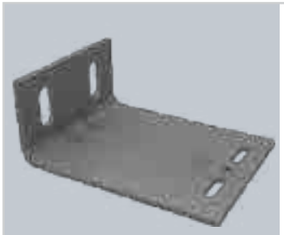
12

The surface can be finished by external EIFS, plastering or coating application. Detailed information for different finishing applications see chapter "Coating applications over OUTWEAR".

OUTWEAR is an external surface plasterboard strengthened with felt type fibers has increased fire resistance and surface hardness features while decreased water absorption rate.

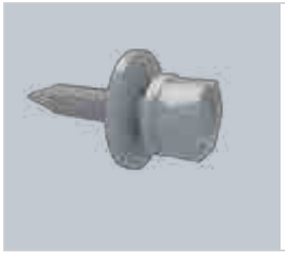
Special Dowels

Special dowels are selected specially for existing wall.



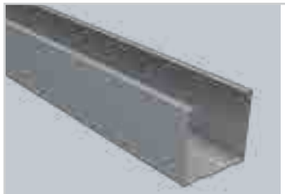
OUTWEAR L Bracket

OUTWEAR L Bracket has 275 gr / m² galvanized coating. It is 50 x 90 x 50/ 75/100 mm in dimensions, 2 mm or thicker in thickness.



OUTWEAR Self Drilling Screw with Gasket

Self Drilling Screw with Gasket has special coating against corrosion. It is 4.8x19 mm in dimensions.

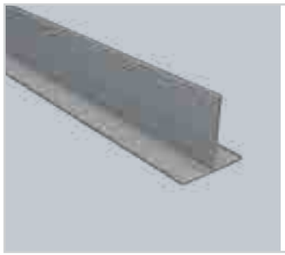


OUTWEAR DC Profile

DC Profile has 275 gr / m² galvanized coating. It is 0.9 mm in thickness, 38 x (50/ 75/100) x 38 mm in dimensions.

OUTWEAR Self Drilling Screw

Self Drilling Screw has special coating against corrosion. It is 3.5x25 mm in dimensions.



OUTWEAR T Profile

T Profile has 275 gr / m² galvanized coating. It is 09 mm thickness. 50x50 mm dimensions.

OUTWEAR PVC Starting Profile

Starting Profile has PVC based material. It is 12.5x28 mm in dimensions.

Insulation Plate

Insulation plate is a rock wool division board to provide heat insulation.

OUTWEAR Plaster Mesh

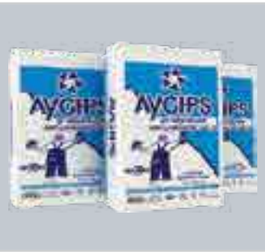
Plaster Mesh has 160 gr/ m² alkali resistance.

OUTWEAR Joint Compound and Basecoat

Joint Compound and Basecoat is used as joint filler and primer on joints and over entire surfaces.

OUTWEAR Joint Tape

Alkali Resistant Joint Tape is used on joints and attachment points.

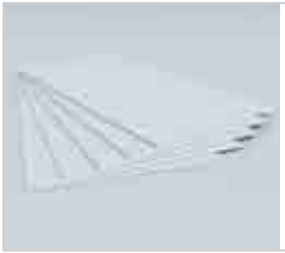


AYGIPS Joint Filling Plaster

Joint Filling Plaster is used on AYPAN Plasterboard joints with Joint Tape.

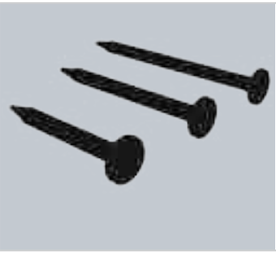
AYGIPS Satin Finishing Plaster

Satin Finishing Plaster is used for preparing surface to paint.



AYPAN

Plasterboard is interior facade plasterboard. AYPAN White, AYPAN Green, AYPAN Red, AYPAN More, AYPAN D More and AYPAN D Plus varieties could be preferred.



AYPAN Self Drilling Screw

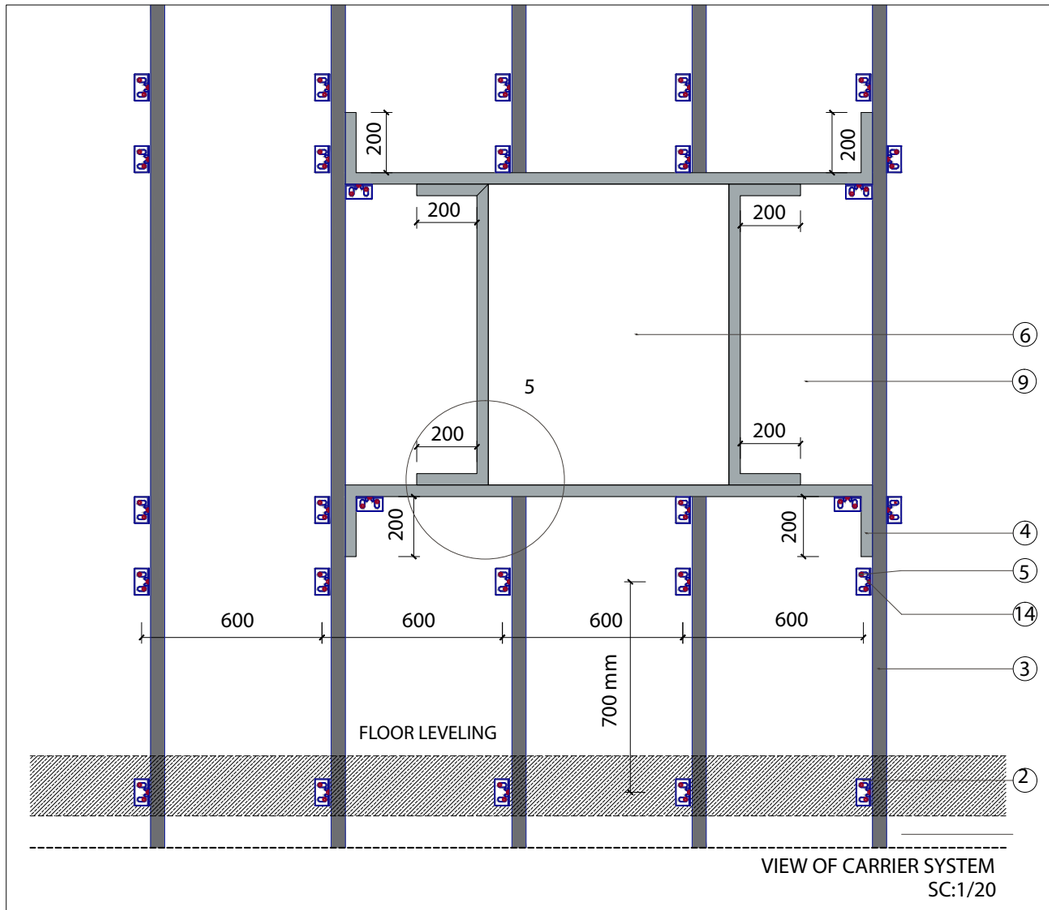
Self Drilling Screw is made of carbon steel. The size of 35 mm should be preferred for this system.

AYPAN Noise Reduction Tape

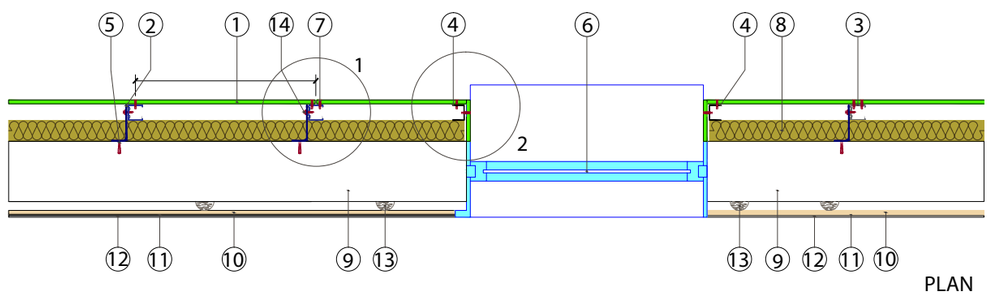
Noise Reduction Tape has varieties for different width as 5 / 7, 5 /10 cm

AYPAN Joint Tape

Joint Tape is made for self-sticking glass fiber. It has varieties for different width as 5/10 cm.

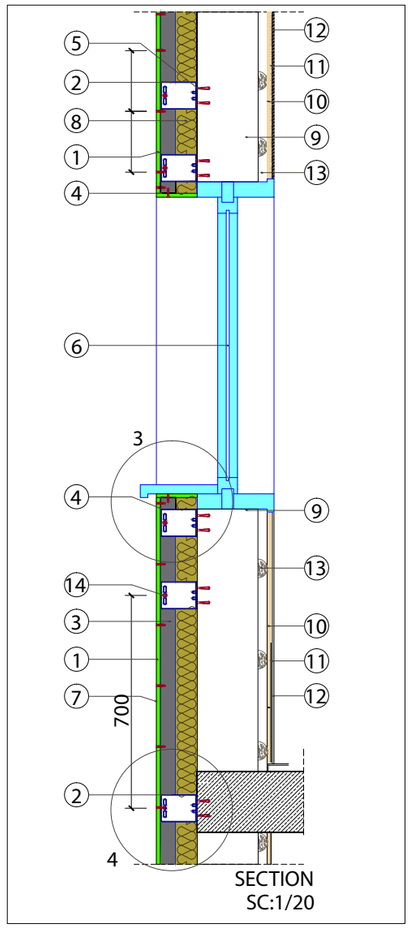


VIEW OF CARRIER SYSTEM
SC:1/20

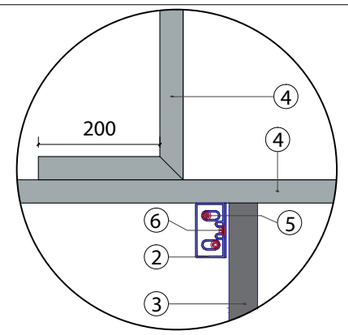


PLAN
SC:1/20

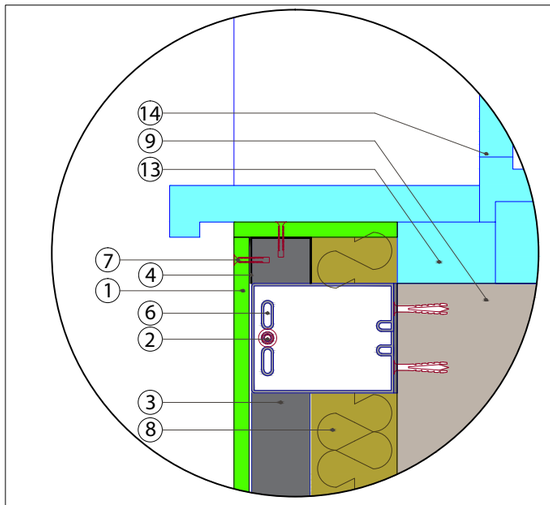
1-Outwear	OW1250W240	7-Outwear Self Drilling Screw	OW035MU025	13-Aygips Adhesive Gypsum	AG201YA025
2-Outwear L Bracket	OW050LB050	8-Rock Wool Insulation		14-Outwear Hex Head Screw With Gasket	OW048CV019
3-Outwear DC Profile	OW50NDC300	9-Existing Wall			
4-Outwear DU Profile	OW50NDU300	10-Aypan 12,5 mm	AL125BY250	15-Aypan Ceiling U Profile	AK30ETU300
5-Aypan Steel Anchor	AB006CD045	11-Aygips Satin Finishing Plaster		16-Aypan Ceiling C Profile	AK60ETC300
6-Window		12-Paint		17-Aypan Hanger Bar	AB004AC100



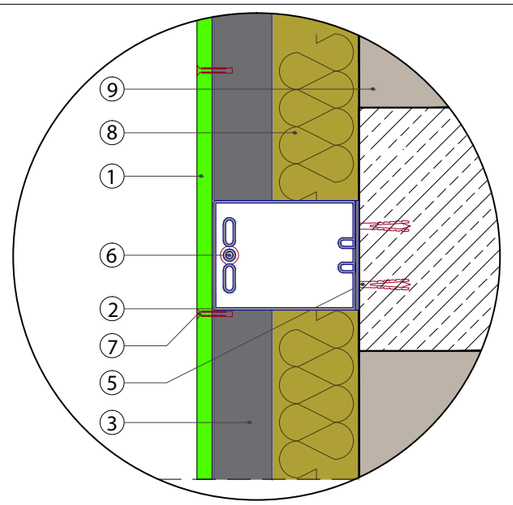
SECTION
SC:1/20



DETAIL 5: PROFILE JOINT DETAIL
SC:1/10

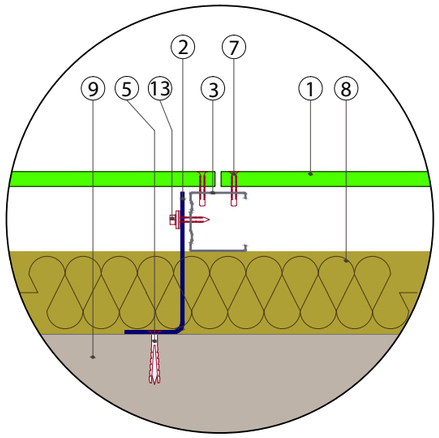


DETAIL 3: UNDER THE WINDOW JOINT DETAIL
SC:1/5

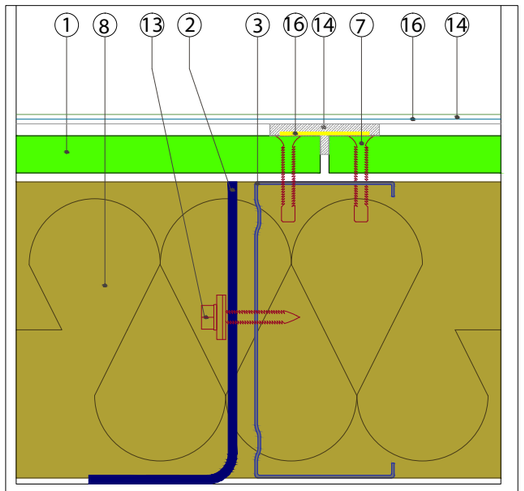


DETAIL 4: EXISTING FLOOR JOINT DETAIL
SC:1/5

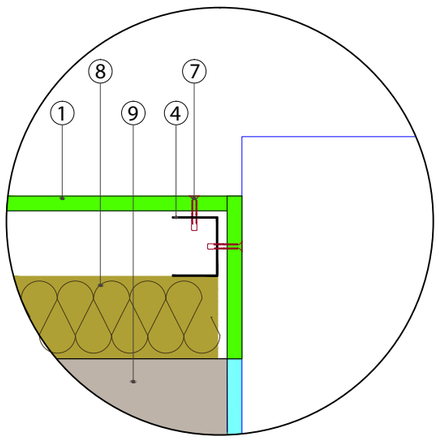
1-Outwear	OW1250W240	7-Outwear Self Drilling Screw	OW035MU025	13-Aygips Adhesive Gypsum	AG201YA025
2-Outwear L Bracket	OW050LB050	8-Rock Wool Insulation		14-Outwear Hex Head Screw With Gasket	OW048CV019
3-Outwear DC Profile	OW50NDC300	9-Existing Wall			
4-Outwear DU Profile	OW50NDU300	10-Aypan 12,5 mm	AL125BY250	15-Aypan Ceiling U Profile	AK30ETU300
5-Aypan Steel Anchor	AB006CD045	11-Aygips Satin Finishing Plaster		16-Aypan Ceiling C Profile	AK60ETC300
6-Window		12-Paint		17-Aypan Hanger Bar	AB004AC100



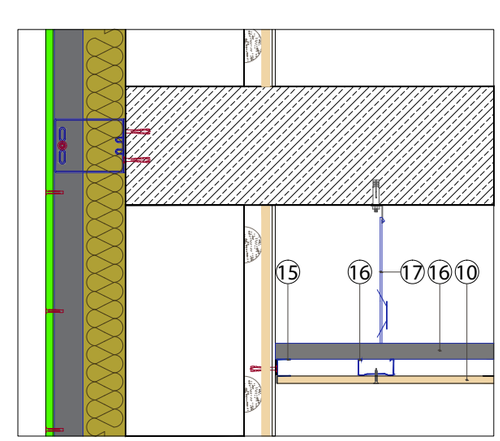
DETAIL 1: PLASTERBOARD JOINT DETAIL
SC: 1/5



PLASTERBOARD JOINT LAP POINT DETAIL
SC: 1/2



DETAIL 2: WINDOW EDGE
PLAN DETAIL
SC: 1/5

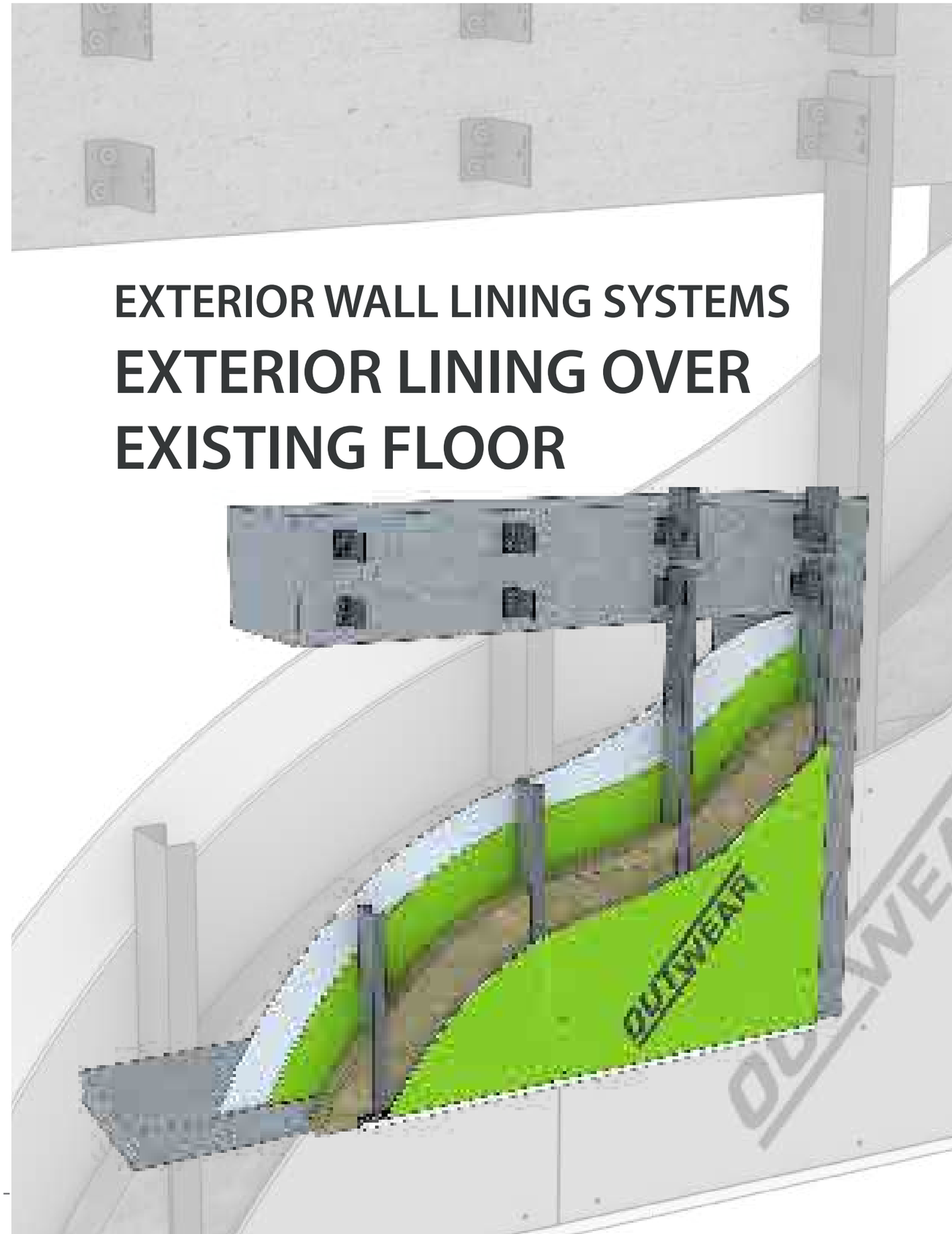


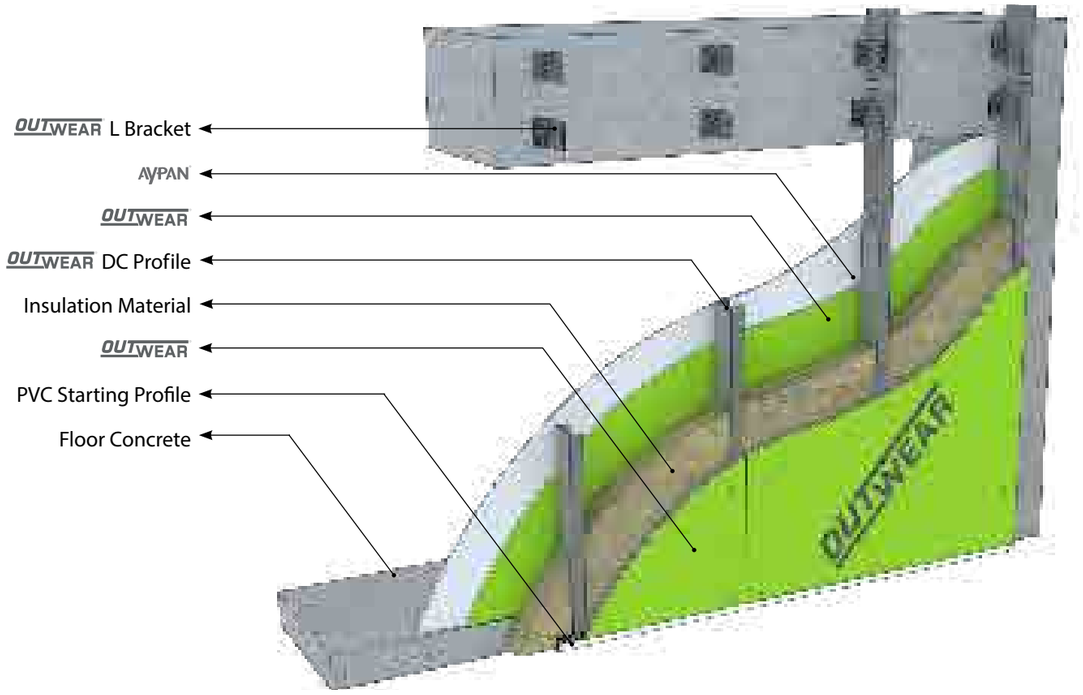
ALAT 20 JOINT DETAIL SECTION

1-Outwear	OW1250W240	7-Outwear Self Drilling Screw	OW035MU025	13-Aygips Adhesive Gypsum	AG201YA025
2-Outwear L Bracket	OW050LB050	8-Rock Wool Insulation		14-Outwear Hex Head Screw With Gasket	OW048CV019
3-Outwear DC Profile	OW50NDC300	9-Existing Wall			
4-Outwear DU Profile	OW50NDU300	10-Aypan 12,5 mm	AL125BY250	15-Aypan Ceiling U Profile	AK30ETU300
5-Aypan Steel Anchor	AB006CD045	11-Aygips Satin Finishing Plaster		16-Aypan Ceiling C Profile	AK60ETC300
6-Window		12-Paint		17-Aypan Hanger Bar	AB004AC100

EXTERIOR WALL LINING SYSTEMS

EXTERIOR LINING OVER EXISTING FLOOR





As indicated its technical specifications for Exterior Lining over Existing Flooring System, the carrier system is constructed by fixing the OUTWEAR L brackets on the existing flooring surface and fastening the OUTWEAR DC or T profiles. OUTWEAR plaster-boards are screwed to front and rear sides of the carrier system. Insulation plate (rock wool) is placed between the profiles and OUTWEAR plasterboards to meet the insulation needs. This system allows further applications like EIFS, plaster-paint or marble-granite coating over it.

- ► Structural vertical mold or plumb deteriorations on floor slab concrete facade could be corrected by using different sized L brackets to obtain smooth, gauged and balanced surfaces.
- ► It allows constructing thinner walls than the ones could be built by traditional exterior wall systems (pumice, aerated concrete, brick etc.).
- ► Use of this system increases interior space.
- ► It allows constructing lighter buildings than the ones built by traditional systems. This system eliminates extra structural load to the facade without any force to carrier system.
- ► Provides A1 class fire resistance for exterior facade.
- ► Saves time providing wall construction with quick and easy workmanship.
- ► Protects exterior facades from moisture and mold.
- ► Materials such as brick, ceramic, granite can be applied by mechanic fixing on this system.

Building Height	Axial Gap (cm)	Profile*
up to 8 meters	60	DC 75
Between 9 m- 20 m	60	DC 75
Between 21 m- 100 m	40	DC 75
	60	DC 100

*This table represents data for 3 m height. Please contact with our technical service for system solutions for buildings with higher floors.

No	Material	Axial Gap		Unit
		40	60	
1	OUTWEAR (12,5 mm)	2,10	2,10	m²
2	AYPAN (12,5 mm)	1,05	1,05	m²
3	OUTWEAR L Bracket (Z 275)	2,40	1,70	pieces
4	OUTWEAR DC (Z 275)	2,80	1,90	mt
5	Rock wool	1,05	1,05	m²
6	OUTWEAR Self Drilling Screw (3,5x25 mm)	60	52	pieces
7	OUTWEAR Self Drilling Hex-head Screw with Gasket	7,20	5,10	pieces
8	Proper Dowel and Screw for Existing Flooring	4,80	3,40	pieces
9	OUTWEAR PVC Starter Profile	1,05	1,05	mt
10	OUTWEAR Joint Tape	1,80	1,80	mt
11	OUTWEAR Joint Compound and Basecoat	4,00	4,00	kg
12	OUTWEAR Plaster Mesh	1,05	1,05	m²
13	OUTWEAR Meshed PVC Corner Profile	0,90	0,90	mt
14	AYPAN Noise Reduction Tape	1,50	1,50	mt
15	AYPAN Joint Tape	1,80	1,80	mt
16	AYGIPS Joint Filling Plaster	0,40	0,40	kg
17	AYGIPS Satin Finishing Plaster	0,30	0,30	kg

Material analysis is calculated for 4m x 2, 5 m = 10 m2 wall area. 5% waste is included to analysis.

This system loads 45 kg/m² to the facade.

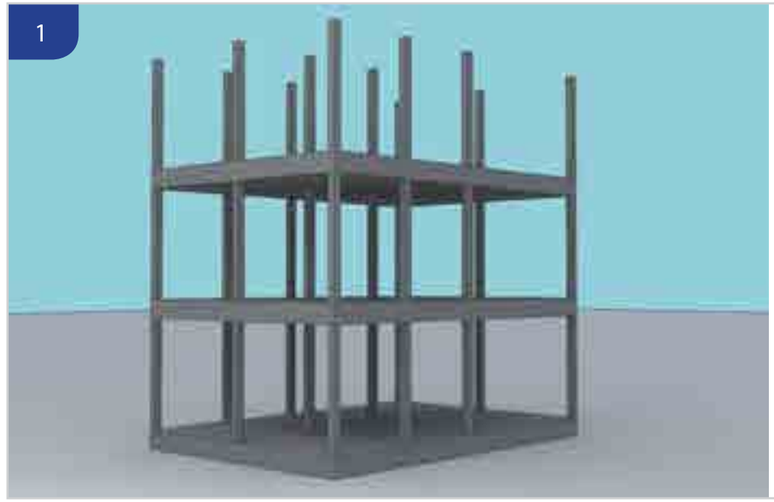
The data is valid for painting over plaster on the wall. For different finishing layers (bricks, ceramics, granite, wood) you can contact with our technical unit.

Technical Specifications

- ► Snap a chalk line 60 cm in horizontal on existing floor surface to mark the places of the L brackets to be fastened.
- ► Fasten the OUTWEAR L Brackets with appropriate dowels selected special to surface material conditions.
- ► Fix sized OUTWEAR DC or OUTWEAR T profiles to OUTWEAR L Brackets by using OUTWEAR self-drilling screws with gasket.
- ► Fasten the OUTWEAR PVC Starting Profile beneath the OUTWEAR DC profiles by OUTWEAR self-drilling screws.
- ► Place the OUTWEAR Plasterboards through PVC Starting Profile on the ground.
- ► Screw pre-sized OUTWEAR plasterboards to both sides of the OUTWEAR DC profiles (for interior side vertical 40 cm intervals, for exterior side 20 cm intervals).
- ► Assemble proper insulation material determined due to project details without any gap within the OUTWEAR profiles.
- ► Screw Pre-sized AYPAN plasterboards over OUTWEAR plasterboards with vertical 40 cm intervals for interior places by AYPAN self-drilling screws.
- ► Prepare interior surface of the wall for painting by applying joint filler plaster and satin plaster on it.

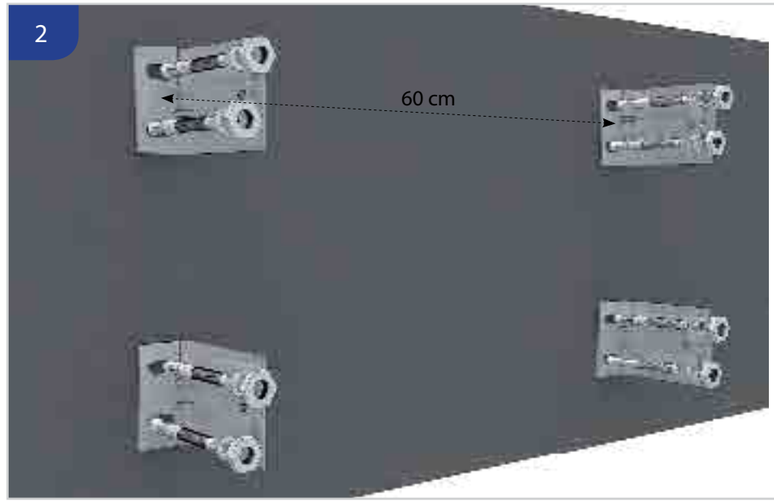
The surface can be finished by external EIFS, plastering or coating application. For detailed information see chapter "Coating applications over OUTWEAR".

1



Wall lining systems offer solutions for building exterior wall in reinforced concrete or steel buildings. It provides common solution for the outer wall and EIFS together.

2



The floor surface should be prepared.

Locations where L brackets would be fixed to the existing floor surface should be marked with chalk line in 60 cm horizontal intervals.

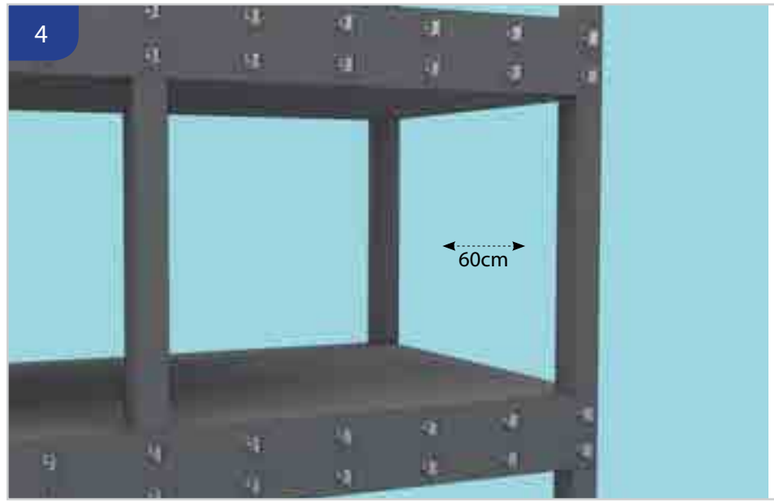
Proper OUTWEAR L Bracket sizes should be selected to obtain smooth, gauged and balanced surfaces.

3

OUTWEAR L brackets should be fixed to the wall.

Selected OUTWEAR L brackets must be fastened to the existing floor surface by proper dowels.

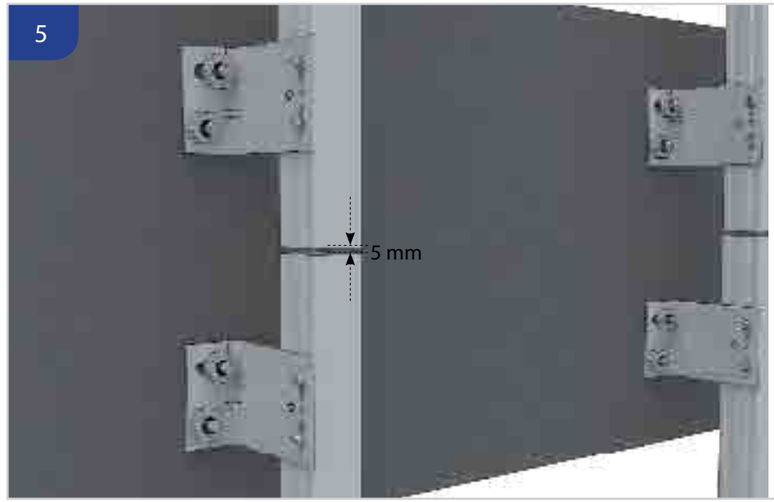
4



OUTWEAR DC profiles should be screwed.

OUTWEAR DC or OUTWEAR T profiles should be fixed to OUTWEAR L Brackets by using OUTWEAR self-drilling hex-head screws with gasket.

5



OUTWEAR DC profiles should be connected.

A gap of 5 mm in vertical axis should be left between subsequent joints of OUTWEAR DC or T profiles.

6

OUTWEAR plasterboard should be screwed from inside.

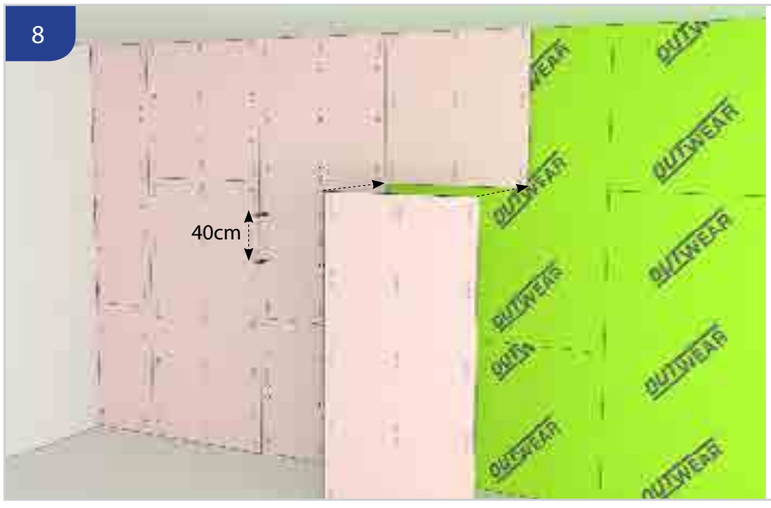
The pre-sized OUTWEAR plasterboards should be screwed from inside to OUTWEAR DC profiles with 40 cm vertical intervals by OUTWEAR self-drilling screws.

7

Preferable screed application would be allowed.

After interior OUTWEAR installation, screed application could be done over existing floor. OUTWEAR plasterboards would not be affected by moisture and mold.

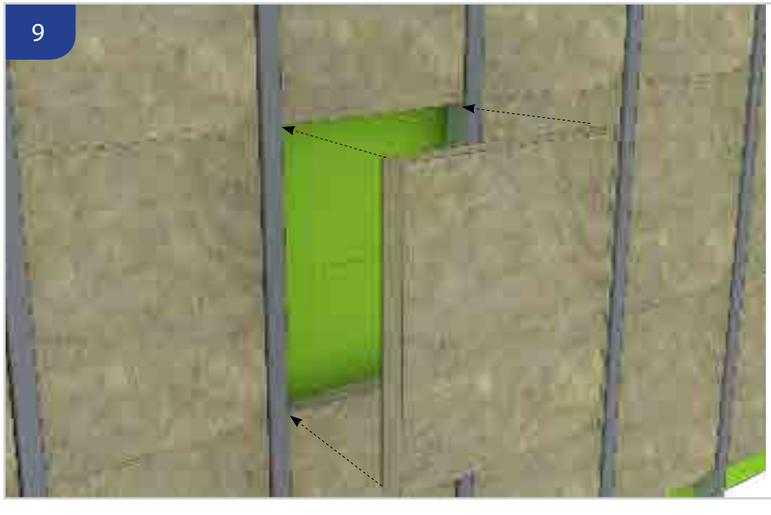
8



AYPAN plasterboard should be screwed from inside.

The pre-sized AYPAN plasterboards should be screwed over OUTWEAR plasterboards with 40 cm vertical intervals by AYPAN 3,5 mm self-drilling screws.

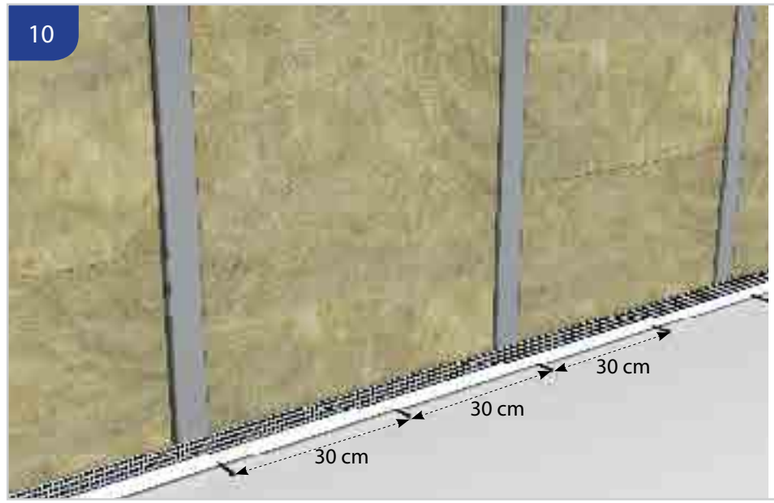
9



Insulation material should be placed.

Heat insulation plate should be placed from outside of the wall without any space between the OUTWEAR profiles, over flooring and on existing columns.

10



OUTWEAR PVC starting profile should be fastened.

The OUTWEAR PVC starting profile should be fastened on the OUTWEAR DC profiles at the floor from outside with 30 cm intervals by OUTWEAR self-drilling screws.

11

OUTWEAR plasterboard should be placed.

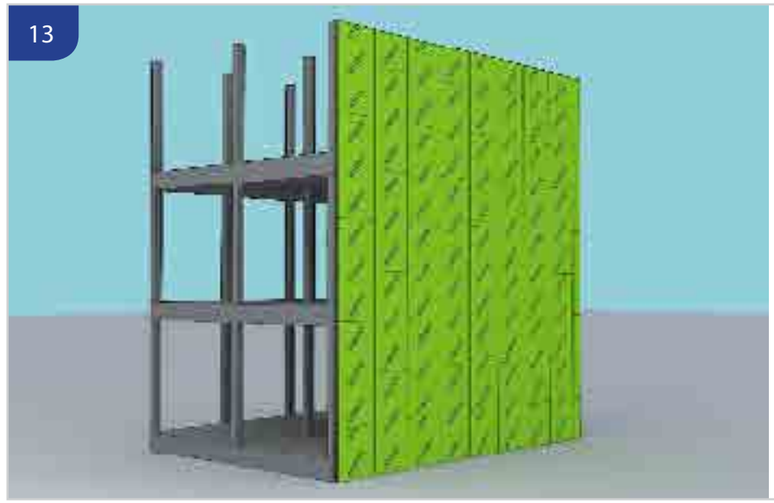
OUTWEAR Plasterboards should be placed by through PVC Starting Profile.

12

OUTWEAR plasterboard should be screwed.

The pre-sized OUTWEAR plasterboards should be screwed over OUTWEAR DC Profiles from outside with 20 cm vertical intervals by OUTWEAR self-drilling screws.

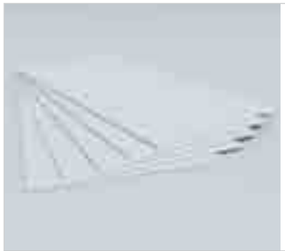
13



The surface can be finished by external EIFS, plastering or coating application. For detailed information see chapter "Coating applications over OUTWEAR".

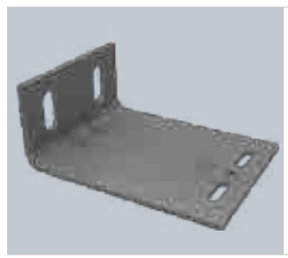
OUTWEAR

OUTWEAR is an external surface plasterboard strengthened with felt type fibers has increased fire resistance and surface hardness features while decreased water absorption rate.



AYPAN

Plasterboard is interior façade plasterboard. AYPAN White, AYPAN Green, AYPAN Red, AYPAN More, AYPAN D More and AYPAN D Plus varieties could be preferred.



OUTWEAR L Bracket

OUTWEAR L Bracket has 275 gr / m² galvanized coating. It is 50 x 90 x 50/ 75/100 mm in dimensions, 2 mm or thicker in thickness.

OUTWEAR DC Profile

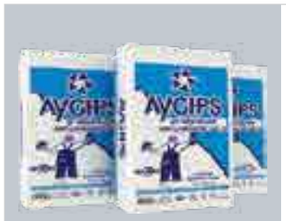
DC Profile has 275 gr / m² galvanized coating. It is 0.9 mm in thickness, 38 x (50/ 75/100) x 38 mm in dimensions.

Special Dowels

Special dowels are selected specially for existing wall.

Insulation Plate

Insulation plate is a rock wool division board to provide heat insulation.



AYGIPS Joint Filling Plaster

Joint Filling Plaster is used on AYPAN Plasterboard joints with Joint Tape.

AYGIPS Satin Finishing Plaster

Satin Finishing Plaster is used for preparing surface to paint.

OUTWEAR Self Drilling Screw with Gasket

Self Drilling Screw with Gasket has special coating against corrosion. It is 4.8x19 mm in dimensions.

AYPAN Plastic Dowel and Pan Head Screw Set

Plastic Dowel is 8 mm; Pan Head Screw is 45 mm in dimensions.

OUTWEAR Self Drilling Screw

Self Drilling Screw has special coating against corrosion. It is 3.5x25 mm in dimensions.

AYPAN Self Drilling Screw

Self Drilling Screw is made of carbon steel. The size of 35 mm should be preferred for this system.

OUTWEAR PVC Starting Profile

Starting Profile has PVC based material. It is 12.5x28 mm in dimensions.

OUTWEAR Joint Compound and Basecoat

Joint Compound and Basecoat is used as joint filler and primer on joints and over entire surfaces.

OUTWEAR Joint Tape

Alkali Resistant Joint Tape is used on joints and attachment points.

OUTWEAR Plaster Mesh

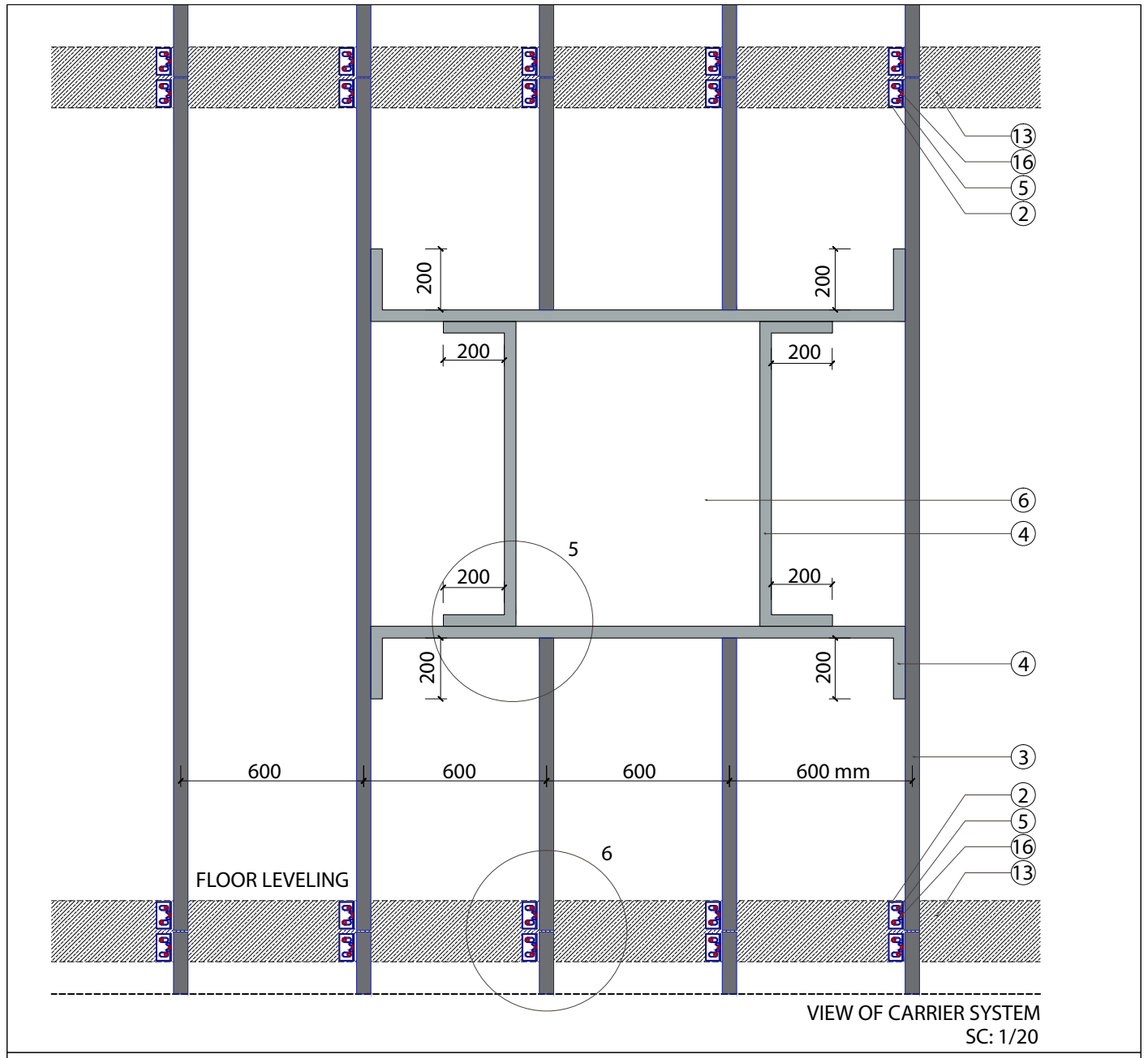
Plaster Mesh has 160 gr/ m2 alkali resistance.

AYPAN Noise Reduction Tape

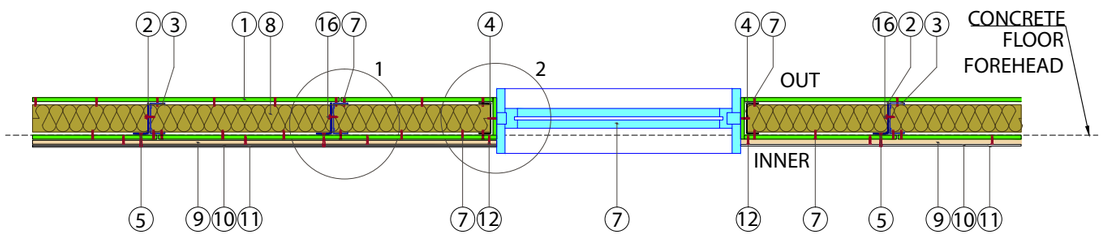
Noise Reduction Tape has varieties for different width as 5 / 7, 5 /10 cm.

AYPAN Joint Tape

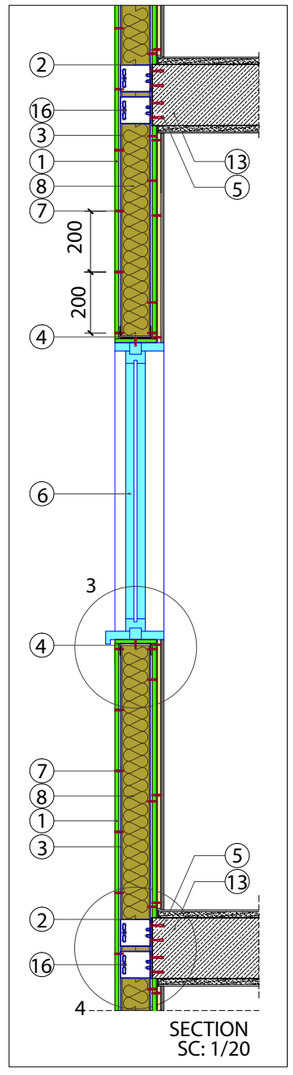
Joint Tape is made for self-sticking glass fiber. It has varieties for different width as 5/10 cm.



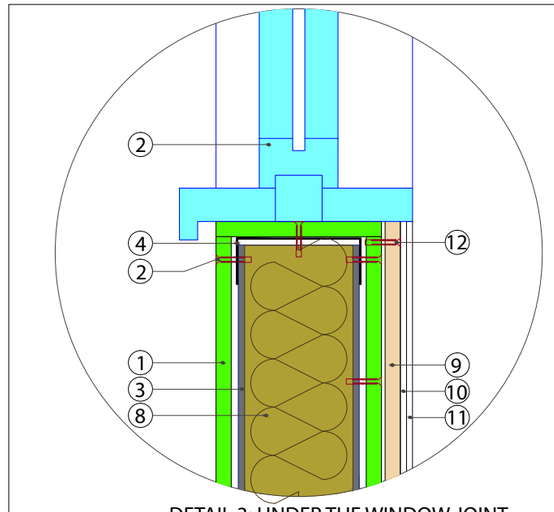
VIEW OF CARRIER SYSTEM
SC: 1/20



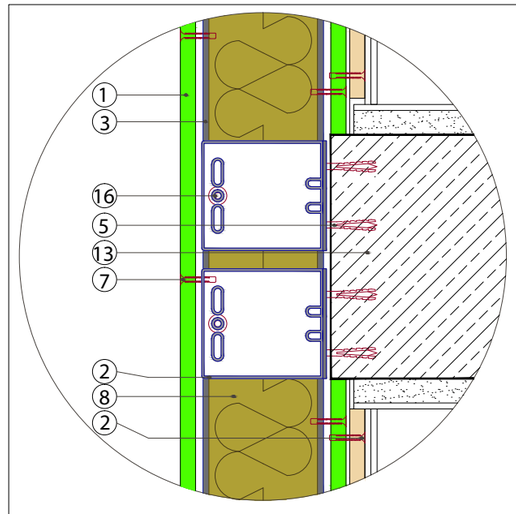
1-Outwear 12,5 mm	OW125OW240	8-Rock Wool Insulation		15-Outwear Joint Compound and Bacecoat	OW001DD025
2-Outwear L Bracket	OW50LB100	9-Aypan 12,5 mm	AL125BY250	16-Outwear Hex Head Screw With Gasket	OW048CV019
3-Outwear DC Profile	OW050DC300	10-Aygips Satin Finishing Plaster	AG001ST025	17-Outwear Alkali Resistant Plastermesh	OW001SF050
4-Outwear DU Profile	OW50NDU300	11-Paint		18-Aypan Ceiling U Profile	AK30ETU300
5-Aypan Steel Anchor	AB006CD045	12-Aypan Drywall Screw	AB035BV025	19-Aypan Ceiling C Profile	AK60ETC300
6-Window		13-Available Flooring		20-Aypan Hanger Bar	AB004AC100
7-Outwear Self Screw	OW035MU025	14-Outwear Joint Tape	OW075DB045		



SECTION
SC: 1/20

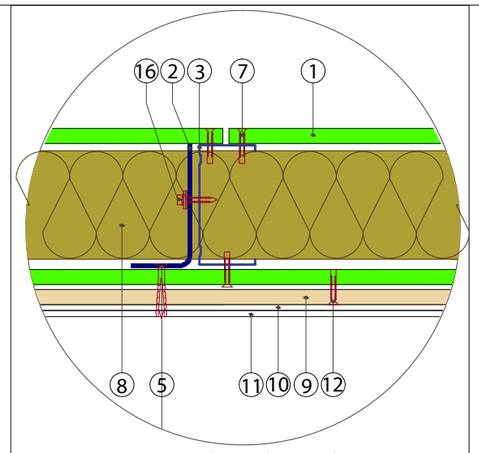


DETAIL 3: UNDER THE WINDOW JOINT DETAIL
SC: 1/5

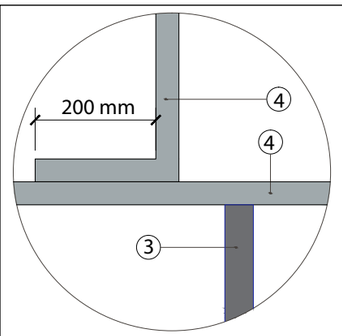


DETAIL 4: FLOOR SURFACE FASTENING FACADE DETAIL
SC: 1/5

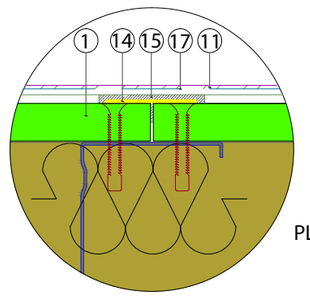
1-Outwear 12,5 mm	OW125OW240	8-Rock Wool Insulation		15-Outwear Joint Compound and Bacecoat	OW001DD025
2-Outwear L Bracket	OW50LB100	9-Aypan 12,5 mm	AL125BY250	16-Outwear Hex Head Screw With Gasket	OW048CV019
3-Outwear DC Profile	OW050DC300	10-Aygips Satin Finishing Plaster	AG001ST025	17-Outwear Alkali Resistant Plastermesh	OW001SF050
4-Outwear DU Profile	OW50NDU300	11-Paint		18-Aypan Ceiling U Profile	AK30ETU300
5-Aypan Steel Anchor	AB006CD045	12-Aypan Drywall Screw	AB035BV025	19-Aypan Ceiling C Profile	AK60ETC300
6-Window		13-Available Flooring		20-Aypan Hanger Bar	AB004AC100
7-Outwear Self Screw	OW035MU025	14-Outwear Joint Tape	OW075DB045		



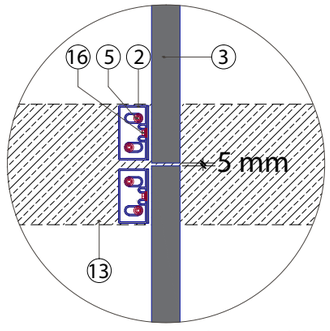
DETAIL 1: PLASTERBOARD JOINT DETAIL
SC: 1/5



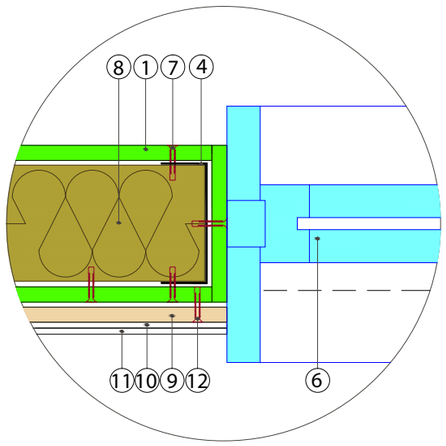
DETAIL 5: PROFILE JOINT DETAIL
SC: 1/5



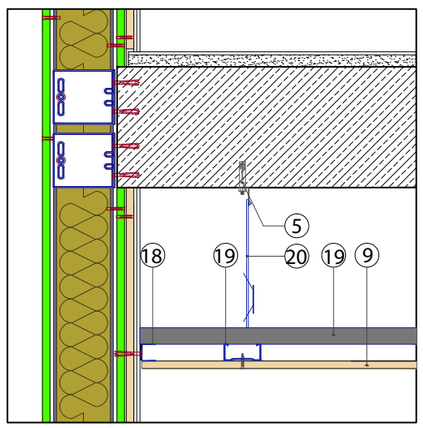
PLASTERBOARD
JOINT DETAIL
SC: 1/2



DETAIL 6:EXISTING FLOOR
IMAGE DETAIL
SC: 1/10



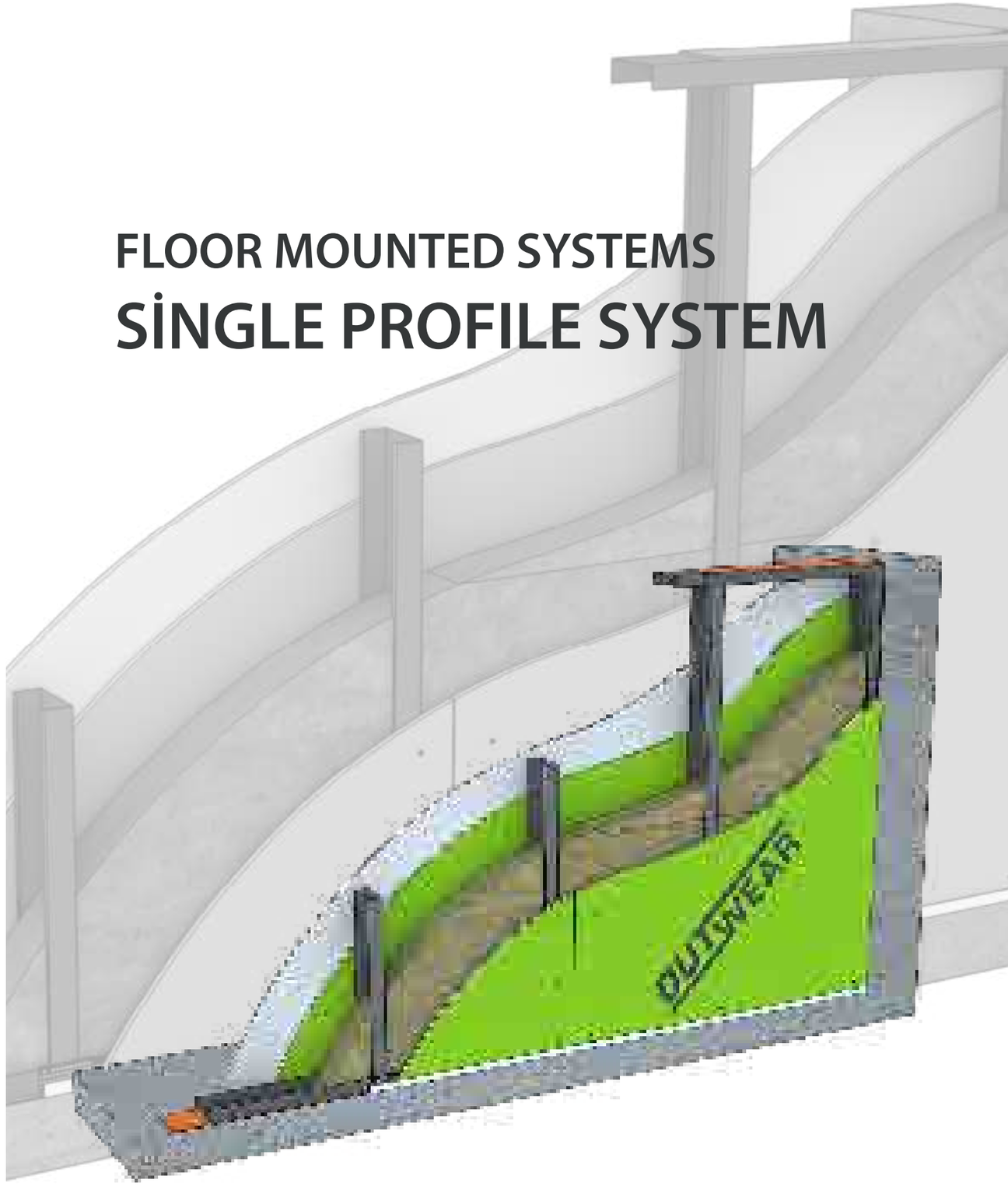
DETAIL 2: WINDOW
EDGE PLAN DETAIL
SC: 1/5

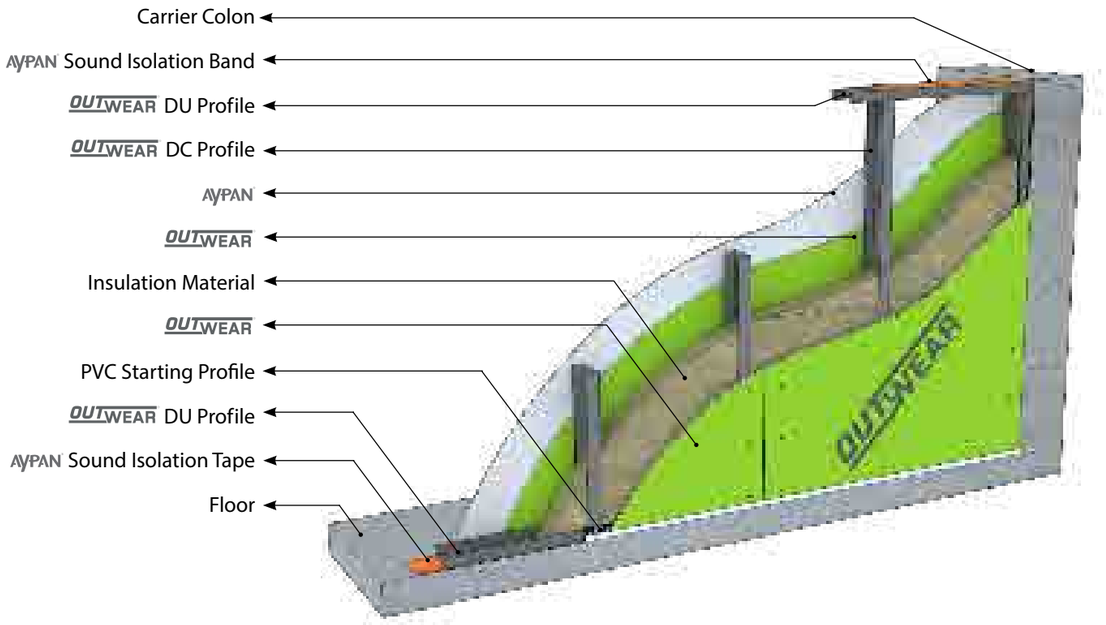


ALAT 30 JOINT DETAIL SECTION

1-Outwear 12,5 mm	OW125OW240	8-Rock Wool Insulation		15-Outwear Joint Compound and Bacecoat	OW001DD025
2-Outwear L Bracket	OW50LB100	9-Aypan 12,5 mm	AL125BY250	16-Outwear Hex Head Screw With Gasket	OW048CV019
3-Outwear DC Profile	OW050DC300	10-Aygips Satin Finishing Plaster	AG001ST025	17-Outwear Alkali Resistant Plastermesh	OW001SF050
4-Outwear DU Profile	OW50NDU300	11-Paint		18-Aypan Ceiling U Profile	AK30ETU300
5-Aypan Steel Anchor	AB006CD045	12-Aypan Drywall Screw	AB035BV025	19-Aypan Ceiling C Profile	AK60ETC300
6-Window		13-Available Flooring		20-Aypan Hanger Bar	AB004AC100
7-Outwear Self Screw	OW035MU025	14-Outwear Joint Tape	OW075DB045		

FLOOR MOUNTED SYSTEMS
SİNGLE PROFILE SYSTEM





As indicated its technical specifications for Single Profile System, this wall system is applied between floors. Initially OUTWEAR DC profiles with 40 or 60 cm intervals determined by project specifications are fixed between OUTWEAR DU profiles that will be mounted on the floor and ceiling. Then, OUTWEAR plasterboard is screwed for both sides. Insulation plate (rock wool) selected proper for insulation needs and wall width is placed within profile. An AYPAN plasterboard layer is covered over the OUTWEAR plasterboard from interior side of the wall. Finally the interior surface could be finished by using AYGIPS Satin Finishing Plaster and proper paint over the wall. The exterior surface could be finished by EIFS over the OUTWEAR, meshed plaster paint or any kind of coating materials fixing with mechanical installation application (such as brick, ceramic, granite, wood).

In order to avoid thermal bridges on the wall and improve the insulation performance, it is recommended to coat including the column beam system.

- ► Allows constructing thinner walls than the ones could be built by traditional exterior wall systems (pumice, aerated concrete, brick etc.).
- ► Increases interior space.
- ► Allows constructing lighter buildings than the ones built by traditional systems. This system eliminates extra structural load to the facade without any force to carrier system.
- ► Tolerates plummet misalignment up to a certain level and ensures to obtain smooth, gauged and balanced surfaces.
- ► Provides A1 class fire resistance for exterior facade.
- ► Saves time providing wall construction with quick and easy workmanship.
- ► Protects exterior facades from moisture and mold.
- ► Could be finished by any kind of coating materials fixing with mechanical installation application (such as brick, ceramic, granite, wood).

Building Height	Axial Gap (cm)	Profile*
up to 8 meters	60	DC 75
Between 9 m- 20 m	40	DC 75
	60	DC 100
Between 21 m- 100 m	40	DC 100

*This table represents data for 3 m height. Please contact with our technical service for system solutions for buildings with higher floors.

No	Material	Axial Gap		Unit
		40	60	
1	OUTWEAR (12,5 mm)	2,10	2,10	m²
2	AYPAN (12,5 mm)	1,05	1,05	m²
3	OUTWEAR DC (Z 275)	3,60	2,30	mt
4	OUTWEAR DU (Z 275)	0,90	0,90	mt
5	Rock wool	1,05	1,05	m²
6	OUTWEAR Self Drilling Screw (3,5x25 mm)	37	30	pieces
7	AYPAN Plastic Dowel and Pan Head Screw Set	2,90	2,90	pieces
8	AYPAN Self Drilling Screw (3,5x35 mm)	23	16	pieces
9	OUTWEAR PVC Starter Profile	1,05	1,05	mt
10	AYPAN Noise Reduction Tape	1,50	1,50	mt
11	AYPAN Joint Tape	1,80	1,80	mt
12	AYGIPS Joint Filling Plaster	0,40	0,40	kg
13	AYGIPS Satin Finishing Plaster	0,30	0,30	kg
14	OUTWEAR Joint Compound and Basecoat	4,00	4,00	kg
15	OUTWEAR Joint Tape	1,80	1,80	mt
16	OUTWEAR Plaster Mesh	1,05	1,05	m²
17	OUTWEAR Meshed PVC Corner Profile	0,90	0,90	mt

Material analysis is calculated for 4m x 2, 5 m = 10 m² wall area. 5% waste is included to analysis.

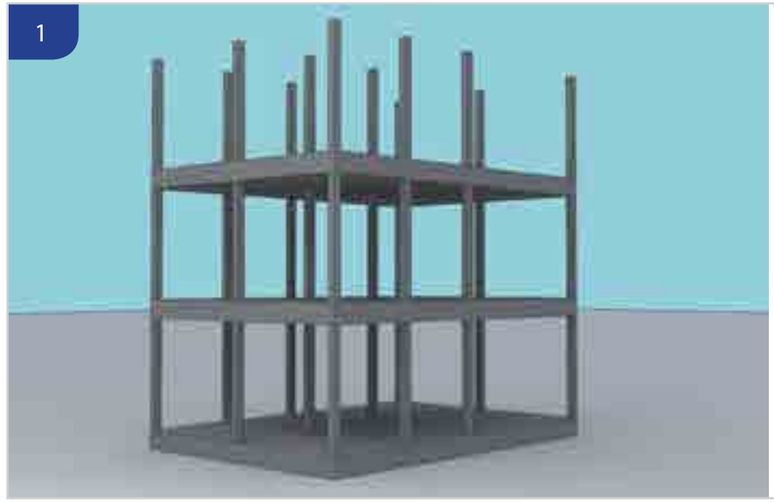
This system loads 40 kg/m² to the facade.

The data is valid for EIFS on the wall. For different finishing(brick, ceramic, granite,wood) layers you can contact with our technical unit.

Technical Specifications

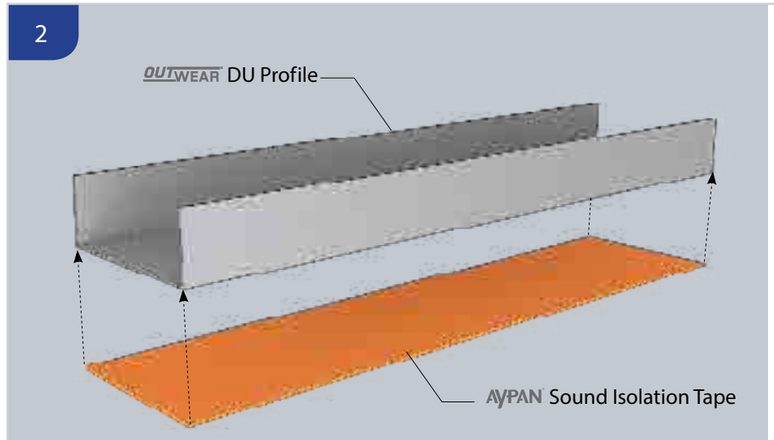
- ► After adhesion of AYPAN Noise Reduction Tape to the back of the OUTWEAR DU profiles, fix the profiles to the floor and ceiling by using AYPAN Plastic Dowel and Pan Head Screw Set at 60 cm intervals.
- ► Place OUTWEAR DC profiles within OUTWEAR DU profiles at vertical 40 or 60 cm intervals depend on the project.
- ► Fix the profiles to each other by using two OUTWEAR Self Drilling Screws for each side of the OUTWEAR DU profiles.
- ► Fasten the OUTWEAR PVC Starting Profile to OUTWEAR DU profiles by OUTWEAR self-drilling screws at 30 cm intervals from outer surface of the wall.
- ► Place the OUTWEAR Plasterboards through PVC Starting Profile on the ground.
- ► Screw pre-sized OUTWEAR plasterboards to outer side by OUTWEAR self-drilling screws at 20 cm vertical intervals.
- ► Place rock wool insulation material through OUTWEAR DC Profiles from interior surface. Ensure that the joints are in staggered orientation.
- ► Screw pre-sized OUTWEAR plasterboards with vertical 40 cm intervals from interior surface of the wall by OUTWEAR self-drilling screws.
- ► Fasten pre-sized AYPAN plasterboards over OUTWEAR plasterboards at front surface by AYPAN self-drilling screws. AYPAN plasterboard joints should not be overlaid with OUTWEAR plasterboard joints on the rear surface.
- ► Apply AYGIPS Joint Tape and AYGIPS Joint Filling Plaster at joints of AYPAN plasterboards.
- ► Prepare interior surface of the wall for painting by applying AYGIPS satin plaster on it.

1



Single Profile System offer solutions for building exterior wall of reinforced concrete or steel constructions. It is recommended to continue with coating over this system.

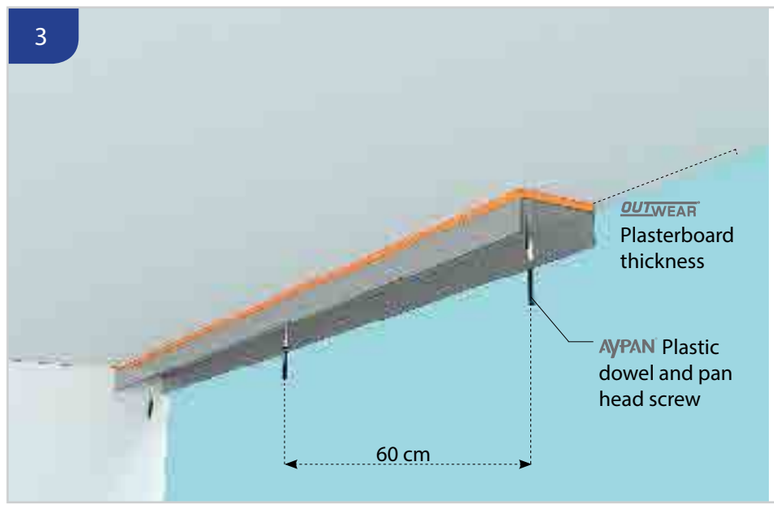
2



AYPAN Noise Reduction Tape should be adhered to the back of the OUTWEAR DU profiles.

This process should be followed wherever the system joins the existing column- beam system.

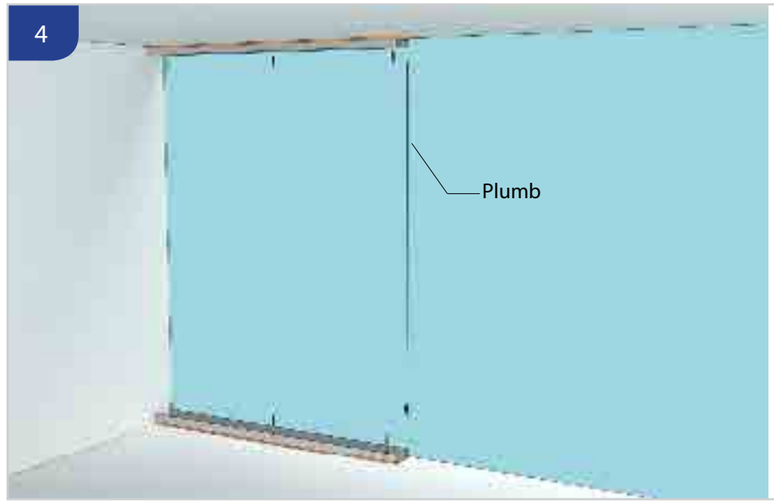
3



OUTWEAR DU Profiles should be screwed to the wall.

While the DU profiles are screwed to the ceiling, the gap of OUTWEAR plasterboard thickness should left inward. The profiles should be fastened to ceiling with 60 cm intervals by AYPAN Plastic Dowel and Pan Head Screw Set.

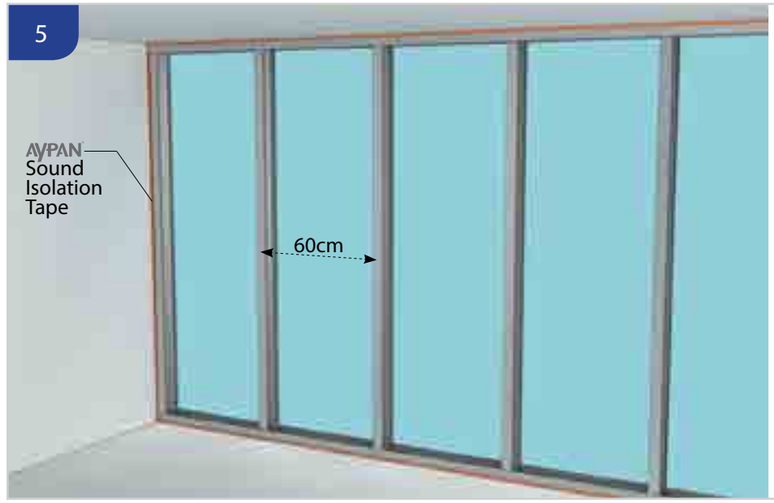
4



OUTWEAR DU profiles should be screwed to the floor.

The alignment of ceiling DU profiles should be transferred to the ground with a plumb line. The profiles should be fastened to ground with 60 cm intervals by AYPAN Plastic Dowel and Pan Head Screw Set.

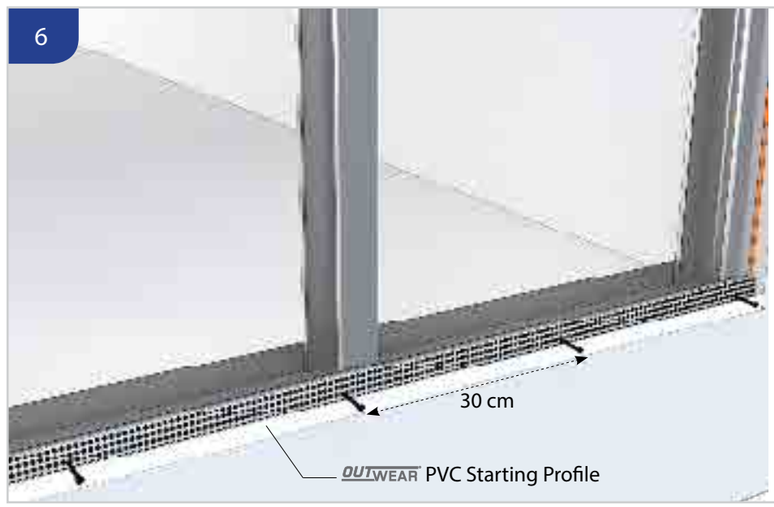
5



OUTWEAR DC profiles should be placed.

AYPAN Sound Insulation Tape should be adhered to the back of the OUTWEAR profiles used in the places where they are joined with the existing conveyor system. The other DC profiles should be mounted through the DU profiles with 40 or 60 cm axial gaps. Table of axial intervals determined according to building height should be concerned. DC profiles should be fastened by using two OUTWEAR Self Drilling Screws to each side of the DU profiles mounted at the ceiling and ground.

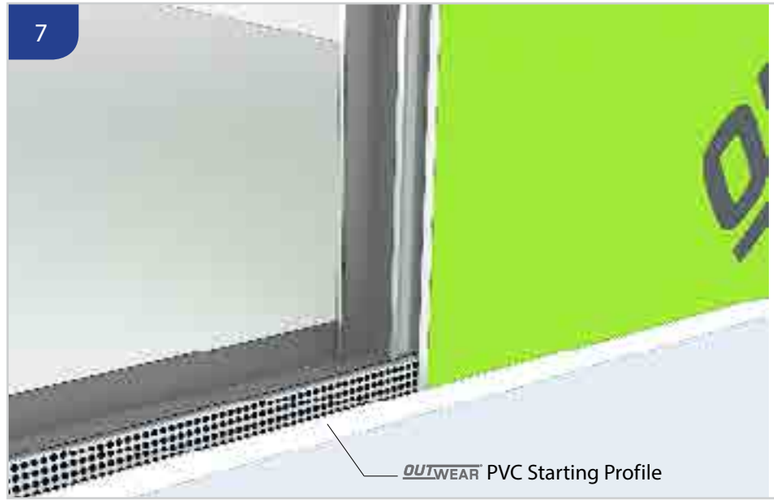
6



OUTWEAR PVC starting profile should be fastened from outside.

OUTWEAR PVC Starting Profile is placed on ground from outside. The OUTWEAR PVC starting profile should be fastened on the OUTWEAR DU profiles on ground with 30 cm intervals by OUTWEAR self-drilling screws.

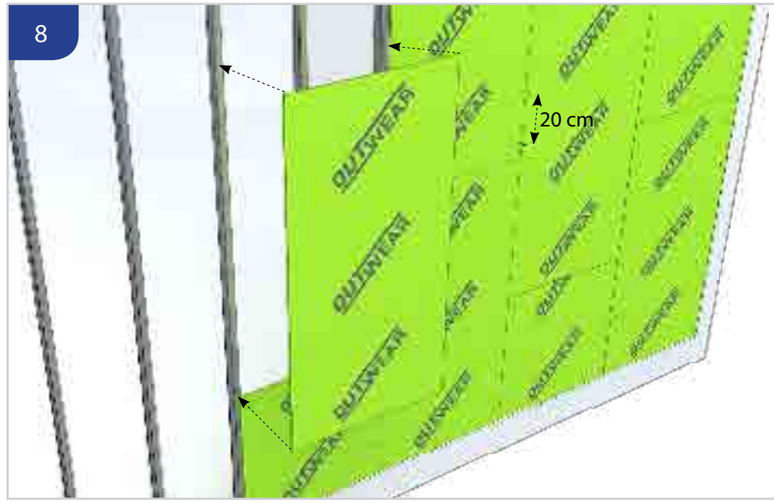
7



OUTWEAR plasterboard should be placed.

OUTWEAR Plasterboards should be placed through PVC Starting Profile on the ground.

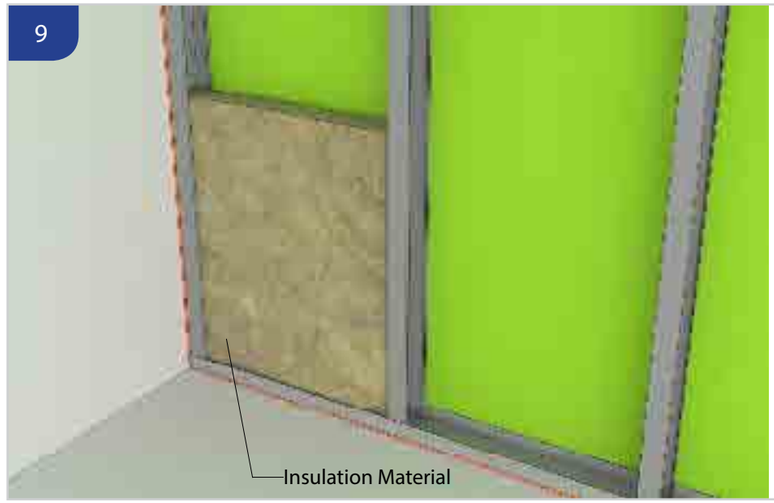
8



OUTWEAR plasterboard should be screwed.

The pre-sized OUTWEAR plasterboards should be inserted into the PVC profiles and fixed with OUTWEAR self-drilling screws at 20 cm vertical intervals. Placement of the OUTWEAR plasterboards should be in staggered position horizontally and vertically.

9



Insulation material should be placed.

Rock wool insulation material proper for the project should be placed through OUTWEAR DC profiles without any gap.

10

Insulation material should be placed in staggered orientation.

In order to avoid thermal bridges on the wall, it is necessary to ensure that the joints are staggered during the insulation material settlement.

11

OUTWEAR Plasterboard should be fastened from inside.

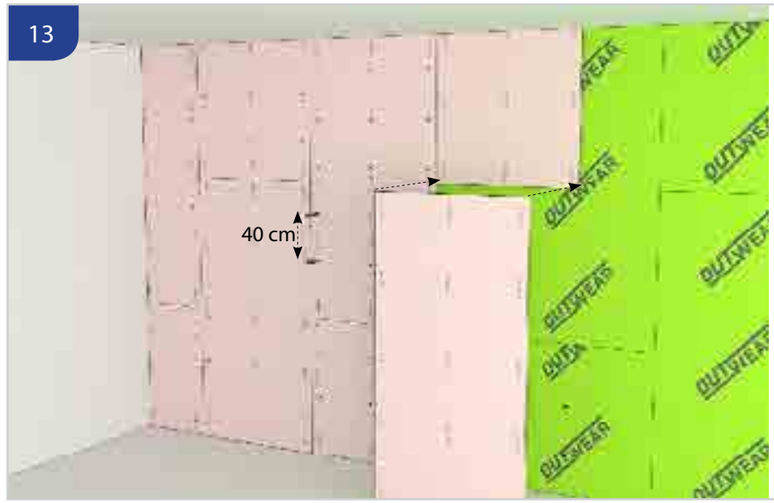
The OUTWEAR plasterboards should be screwed over OUTWEAR DC Profiles with vertical 40 cm vertical intervals by OUTWEAR self-drilling screws. It should be ensured that the joints are staggered during the placement of the plasterboards. The full size plasterboard placed outside and interior OUTWEAR plasterboard joints should not aligned on the same line. Entire interior wall surface should be covered by OUTWEAR plasterboard.

12

Preferable screed application would be allowed.

After interior OUTWEAR installation, screed application could be done. OUTWEAR plasterboards would not be affected by moisture and mold.

13



AYPAN plasterboard should be screwed from inside.

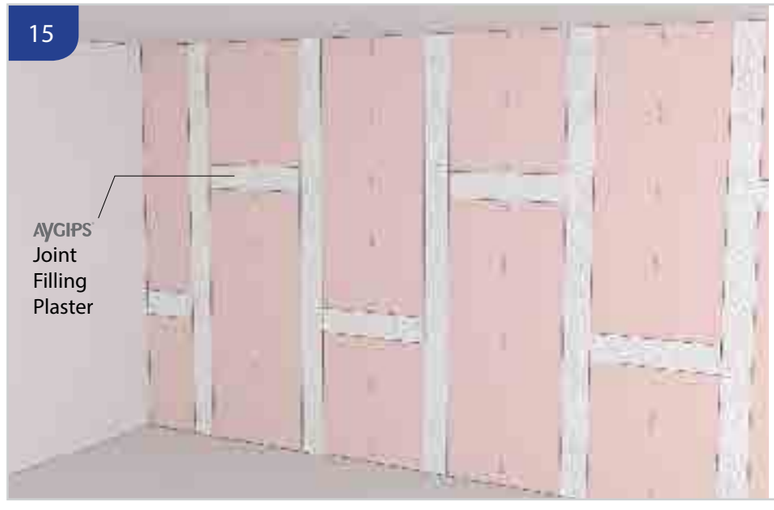
AYPAN plasterboard installation should be started after the screed application on the ground. The AYPAN plasterboards should be screwed staggered avoiding superposition with OUTWEAR plasterboard joints behind them. AYPAN plasterboards should be fastened over OUTWEAR plasterboards with 20 cm vertical intervals and 40 cm horizontal intervals by AYPAN self-drilling screws.

14

Joint tape should be affixed from inside.

AYPAN Joint tape should be pasted to AYPAN plasterboard joints.

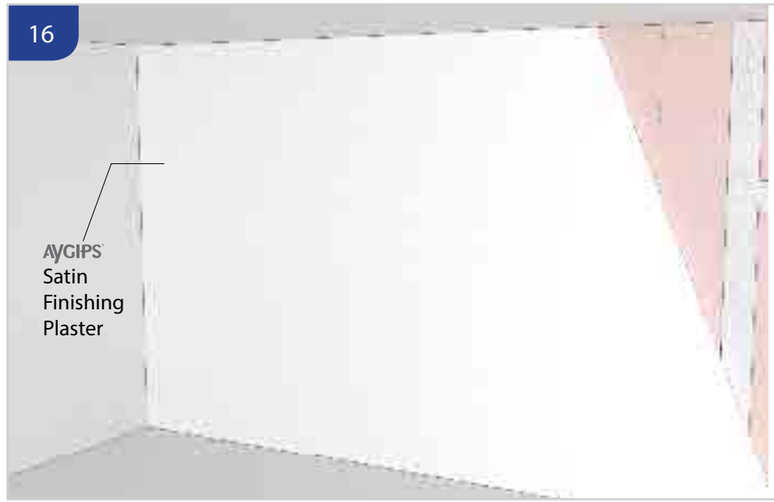
15



15.Joint filling plaster should be applied from inside.

AYGIPS Joint filling plaster should be applied over AYPAN Joint tape.

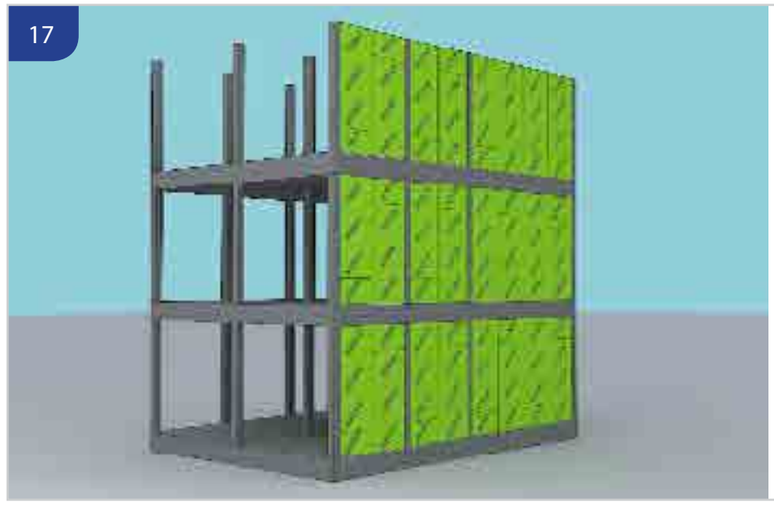
16



Satin Finishing Plaster should be applied from inside.

AYGIPS Satin Finishing Plaster should be applied over the wall.

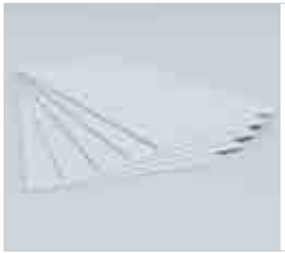
17



The surface can be finished by external EIFS, plastering or coating application. For detailed information see chapter "Coating applications over OUTWEAR".

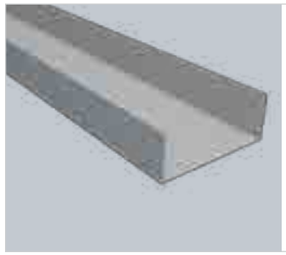
OUTWEAR

OUTWEAR is an external surface plasterboard strengthened with felt type fibers has increased fire resistance and surface hardness features while decreased water absorption rate.



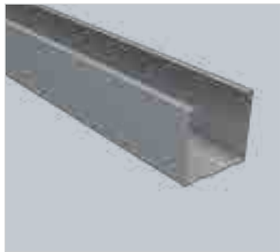
AYPAN

Plasterboard is interior façade plasterboard. AYPAN White, AYPAN Green, AYPAN Red, AYPAN More, AYPAN D More and AYPAN D Plus varieties could be preferred.



OUTWEAR DU Profile

DU Profile has 275 gr / m² galvanized coating. It is 0.9 mm in thickness, 38 x (50/ 75/100) x 38 mm in dimensions.



OUTWEAR DC Profile

DC Profile has 275 gr / m² galvanized coating. It is 0.9 mm in thickness, 38 x (50/ 75/100) x 38 mm in dimensions.

AYPAN Joint Tape

Joint Tape is made for self-sticking glass fiber. It has varieties for different width as 5/10 cm.

AYCIPS Joint Filling Plaster

Joint Filling Plaster is used on AYPAN Plasterboard joints with Joint Tape.

OUTWEAR Plaster Mesh

Plaster Mesh has 160 gr/ m2 alkali resistance.

AYCIPS Satin Finishing Plaster

Satin Finishing Plaster is used for preparing surface to paint.

Insulation Plate

Insulation plate is a rock wool division board to provide heat insulation.

AYPAN Plastic Dowel and Pan Head Screw Set

Plastic Dowel is 8 mm; Pan Head Screw is 45 mm in dimensions.

OUTWEAR Self Drilling Screw

Self Drilling Screw has special coating against corrosion. It is 3.5x25 mm in dimensions.

AYPAN Self Drilling Screw

Self Drilling Screw is made of carbon steel. The size of 35 mm should be preferred for this system.

OUTWEAR Joint Compound and Basecoat

Joint Compound and Basecoat is used as joint filler and primer on joints and over entire surfaces.

OUTWEAR Joint Tape

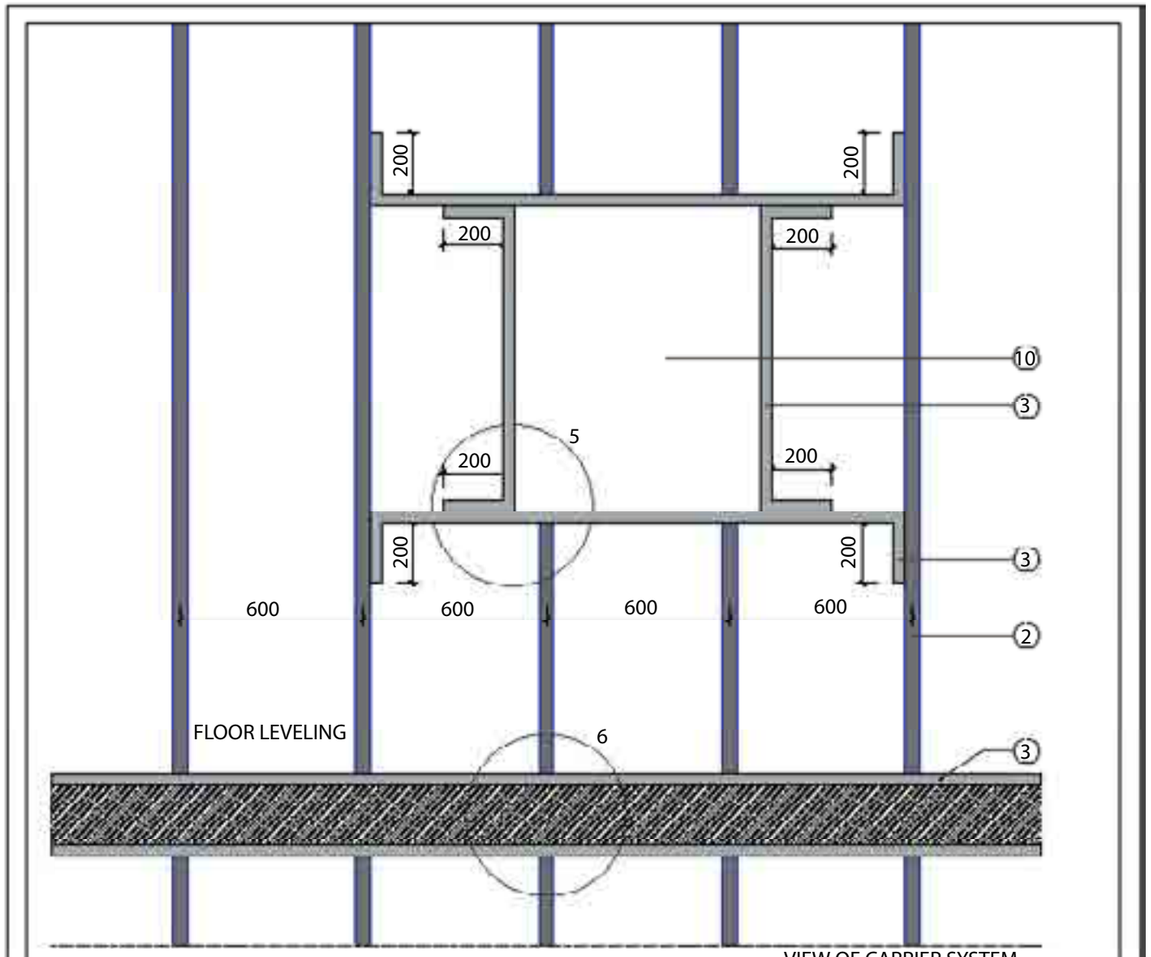
Alkali Resistant Joint Tape is used on joints and attachment points.

OUTWEAR PVC Starting Profile

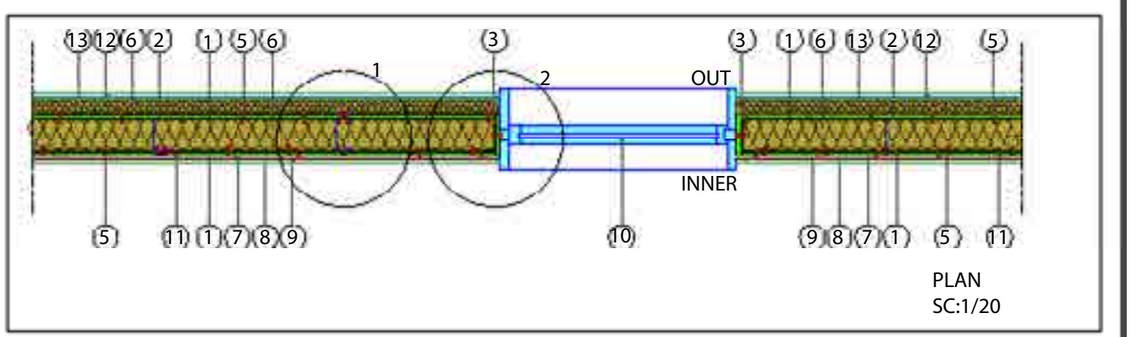
Starting Profile has PVC based material. It is 12.5x28 mm in dimensions.

AYPAN Noise Reduction Tape

Noise Reduction Tape has varieties for different width as 5 / 7, 5 /10 cm

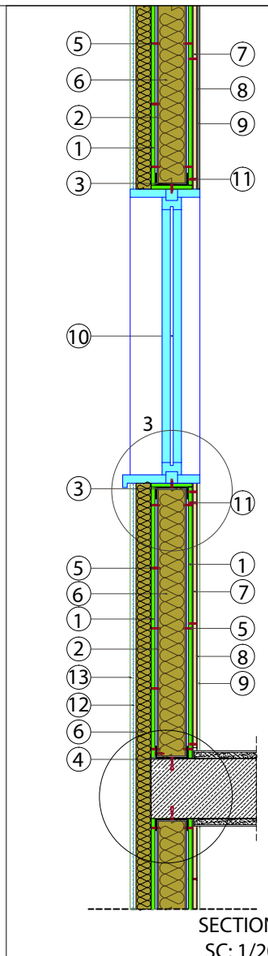


VIEW OF CARRIER SYSTEM
SC:1/20

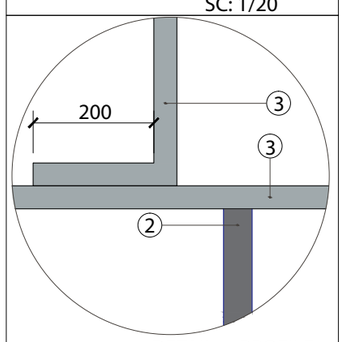


PLAN
SC:1/20

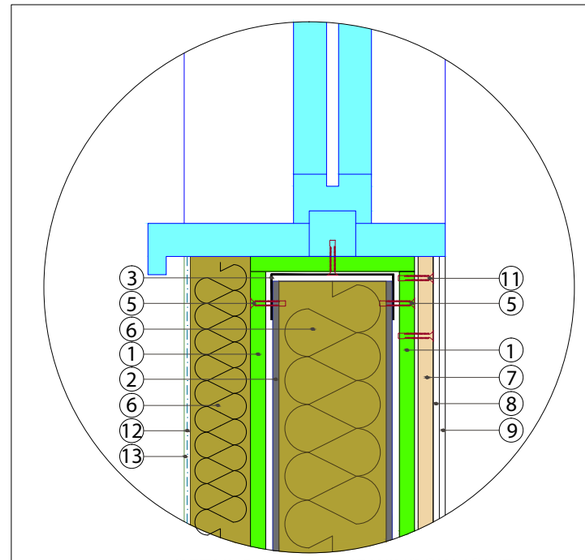
1-Outwear 12,5 mm	OW125OW240	8-Aygips Satin Plaster	AG001ST025	14-Outwear PVC Starting Profile	OW125BP300
2-Outwear DC Profile	OW050DC300	9-Paint			
3-Outwear DU Profile	OW50NDU300	10-Window		15-Aypan Sound Isolation Tape	BN100YB025
4-Aypan Plastic Dowel and Pan Screw Set	AB048DV045	11-Aypan Drywall Screw	AB035BV025	16-Aypan Ceiling U Profile	AK30ETU300
5-Outwear Self Drilling Screw	OW035MU025	12-Outwear Plastermesh	OW001SF050	17-Aypan Ceiling C Profile	AK60ETC300
6-Rock Wool Insulation		13-Outwear Joint Compound and Bacecoat	OW001DD025	18-Aypan Hanger Bar	AB004AC100
7-Aypan 12,5 mm	AL125BY250			19-Aypan Steel Anchor	AB006CD045



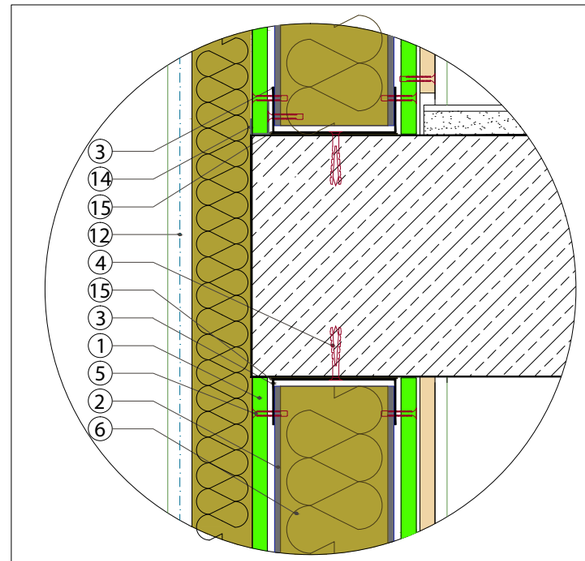
SECTION
SC: 1/20



DETAIL 5: PROFILE JOINT DETAIL
SC: 1/10

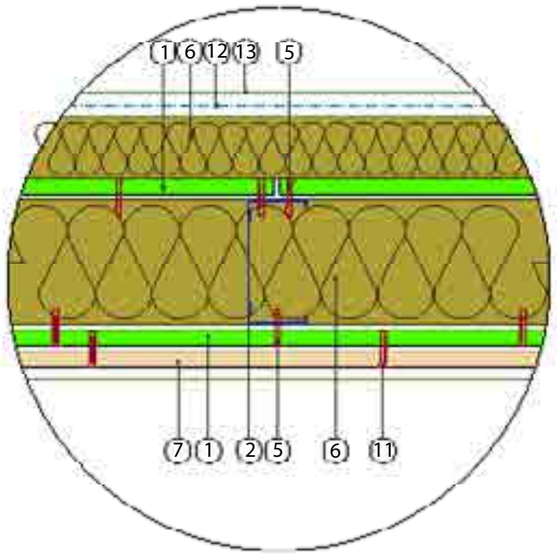


DETAIL 3: UNDER THE WINDOW JOINT DETAIL
SC: 1/5

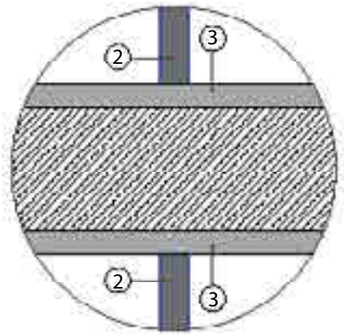


DETAIL 4: EXISTING FLOOR JOINT DETAIL
SC: 1/5

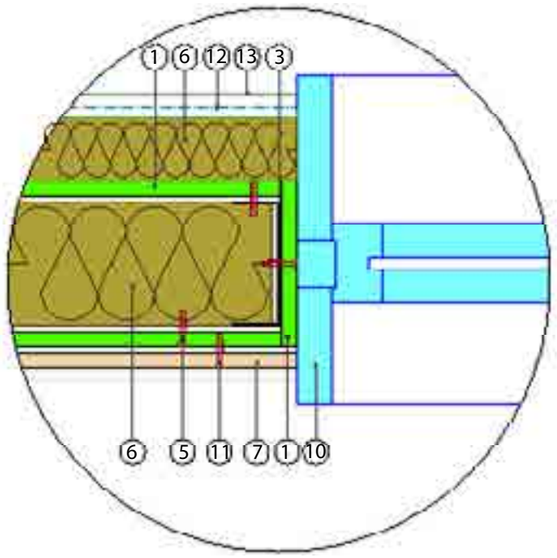
1-Outwear 12,5 mm	OW125OW240	8-Aygips Satin Plaster	AG001ST025	14-Outwear PVC Starting Profile	OW125BP300
2-Outwear DC Profile	OW050DC300	9-Paint			
3-Outwear DU Profile	OW50NDU300	10-Window		15-Aypan Sound Isolation Tape	BN100YB025
4-Aypan Plastic Dowel and Pan Screw Set	AB048DV045	11-Aypan Drywall Screw	AB035BV025	16-Aypan Ceiling U Profile	AK30ETU300
5-Outwear Self Drilling Screw	OW035MU025	12-Outwear Plastermesh	OW001SF050	17-Aypan Ceiling C Profile	AK60ETC300
6-Rock Wool Insulation		13-Outwear Joint Compound and Bacecoat	OW001DD025	18-Aypan Hanger Bar	AB004AC100
7-Aypan 12,5 mm	AL125BY250			19-Aypan Steel Anchor	AB006CD045



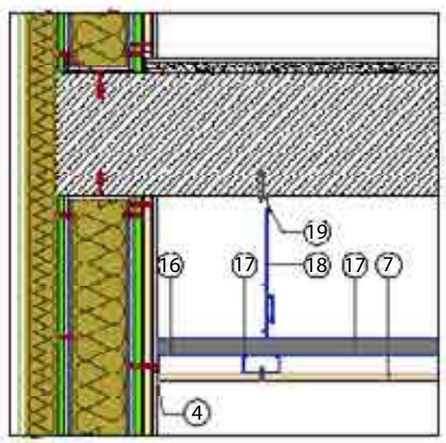
DETAIL 4: PLASTERBOARD JOINT DETAIL
SC: 1/5



DETAIL 6: EXISTING FLOOR
IMAGE DETAIL
SC: 1/10



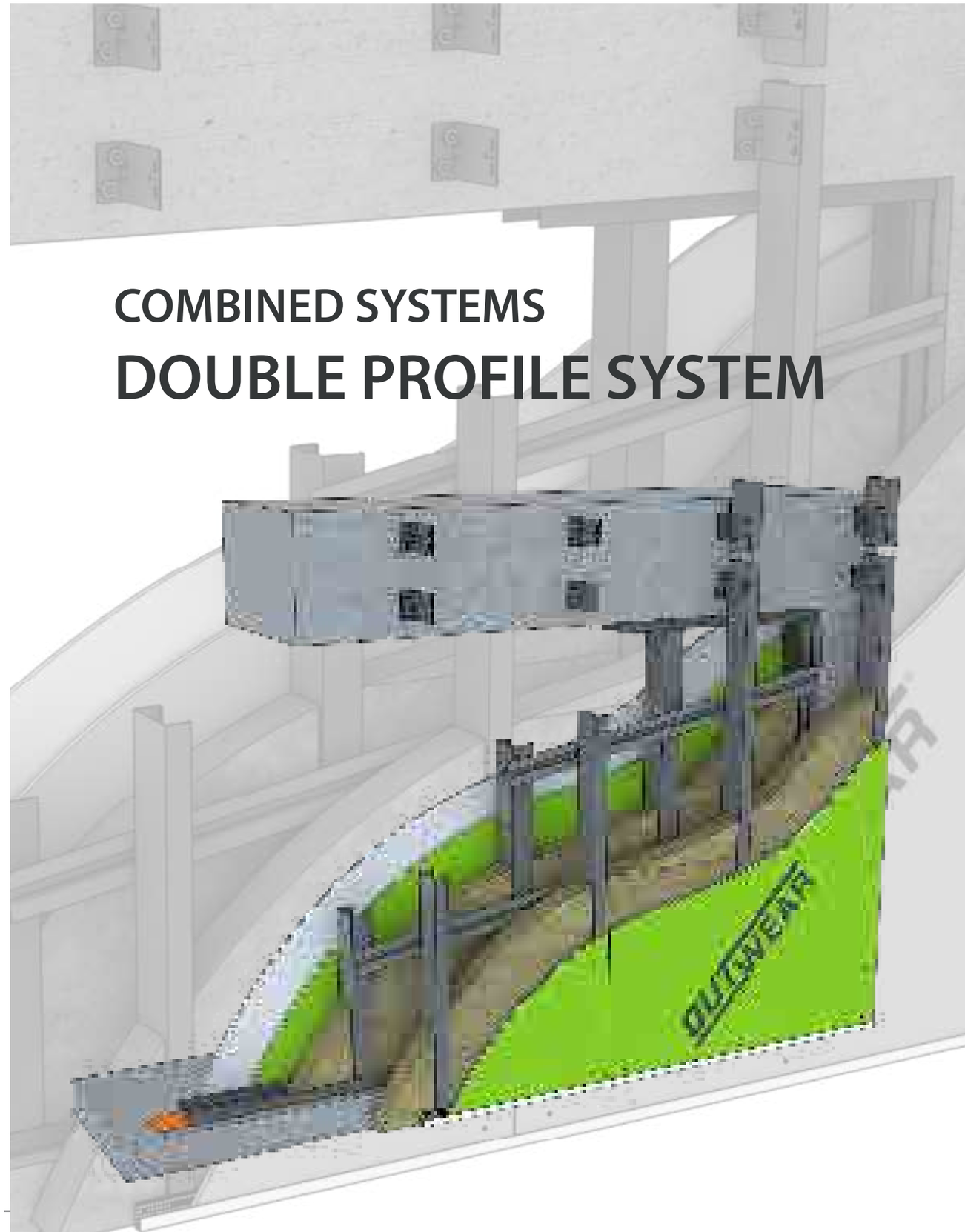
DETAIL 2: WINDOW EDGE PLAN DETAIL
SC: 1/5

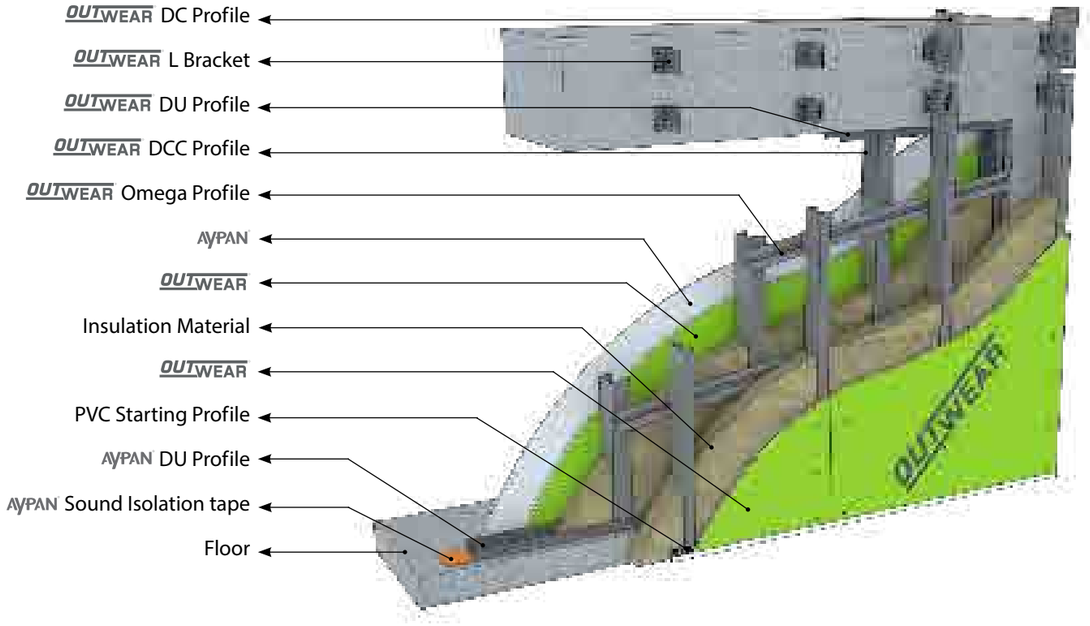


ALAT 30 JOINT DETAIL SECTION
SC: 1/10

1-Outwear 12,5 mm	OW125OW240	8-Aygips Satin Plaster	AG001ST025	14-Outwear PVC Starting Profile	OW125BP300
2-Outwear DC Profile	OW050DC300	9-Paint			
3-Outwear DU Profile	OW50NDU300	10-Window		15-Aypan Sound Isolation Tape	BN100YB025
4-Aypan Plastic Dowel and Pan Screw Set	AB048DV045	11-Aypan Drywall Screw	AB035BV025	16-Aypan Ceiling U Profile	AK30ETU300
5-Outwear Self Drilling Screw	OW035MU025	12-Outwear Plastermesh	OW001SF050	17-Aypan Ceiling C Profile	AK60ETC300
6-Rock Wool Insulation		13-Outwear Joint Compound and Bacecoat	OW001DD025	18-Aypan Hanger Bar	AB004AC100
7-Aypan 12,5 mm	AL125BY250			19-Aypan Steel Anchor	AB006CD045

COMBINED SYSTEMS
DOUBLE PROFILE SYSTEM





As indicated its technical specifications for Double Profile System, this wall system is applied between floors and over the existing flooring. The carrier system is constructed by fixing the OUTWEAR L brackets on the existing floor and fastening the OUTWEAR DC or T profiles to the OUTWEAR L brackets. OUTWEAR plasterboards are screwed to the profiles from outward. Insulation plate (rock wool) is placed within profiles and OUTWEAR plasterboards to meet the insulation needs. OUTWEAR Omega profiles should be fastened at a certain angles to inner surface of the OUTWEAR DC profiles with 70 cm vertical intervals. OUTWEAR DCC profiles with 60 cm intervals determined by project specifications are fixed between AYPAN DU profiles that will be mounted on the floor and ceiling. Insulation plate (rock wool) is placed within profiles. An AYPAN plasterboard layer is covered over the OUTWEAR plasterboard from interior side of the wall. The interior surface could be finished by using AYGIPS Satin Finishing Plaster and proper paint over the wall. The exterior surface could be finished by EIFS over the OUTWEAR, meshed plaster paint or any kind of coating materials fixing with mechanical installation application (such as brick, ceramic, granite, wood).

This system:

- Allows constructing walls with extra high noise and heat insulation performance:
- Can be easily used in very high-rise buildings.
- Increases interior space.
- Allows constructing lighter buildings than the ones built by traditional systems. This system eliminates extra structural load to the facade without any force to carrier system.
- Tolerates plummet misalignment up to a certain level and ensures to obtain smooth, gauged and balanced surfaces.
- Provides A1 class fire resistance for exterior facade.
- Saves time providing wall construction with quick and easy workmanship.
- Protects exterior facades from moisture and mold.
- Could be finished by any kind of coating materials fixing with mechanical installation application (such as brick, ceramic, granite, wood).

No	Material	Axial Gap	Unit
		60	
1	OUTWEAR (12,5 mm)	2,10	m^2
2	AYPAN (12,5 mm)	1,05	m^2
3	OUTWEAR DC 75 (0,9 mm)(Z 275)	2,30	mt
4	AYPAN DU 75 (0,6 mm)(Z 100)	0,90	mt
5	OUTWEAR DCC 75 (0,9 mm)(Z 275)	2,30	mt
6	OUTWEAR Omega 75 (0,9 mm)(Z 275)	1,60	mt
7	OUTWEAR L Bracket (Z 275)	1,70	pieces
8	OUTWEAR Self Drilling Screw with Gasket	17,10	pieces
9	Proper dowel and screw set for existing floor	3,40	pieces
10	Rock wool (interior)	1,05	m^2
11	Rock wool (exterior)	1,05	m^2
12	OUTWEAR Self Drilling Screw (3,5x25 mm)	30	pieces
13	AYPAN Plastic Dowel and Pan Head Screw Set	2,90	pieces
14	AYPAN Self Drilling Screw (3,5x35 mm)	16	pieces
15	OUTWEAR PVC Starter Profile	0,30	mt
16	AYPAN Noise Reduction Tape	1,50	mt
17	AYPAN Joint Tape	1,80	mt
18	AYGIPS Joint Filling Plaster	0,40	kg
19	AYGIPS Satin Finishing Plaster	0,30	kg
20	OUTWEAR Joint Compound and Basecoat	4,00	kg
21	OUTWEAR Plaster Mesh	1,05	m^2
22	OUTWEAR Meshed PVC Corner Profile	0,90	mt

Material analysis is calculated for 4m x 2, 5 m = 10 m^2 wall area. 5% waste is included to analysis.

This system loads 52 kg/m^2 to the facade.

The data is valid for EIFS on the wall. For different finishing layers (Brick, ceramic, granite, wood) you can contact with our technical unit.

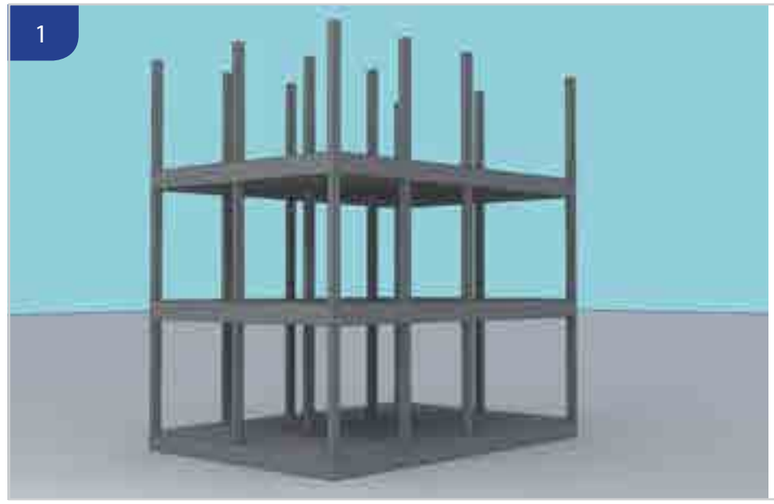
Building Height	Axial Gap (cm)	Profile*
up to 8 meters	60	DC 50+ DC 50
Between 9 m- 20 m	60	DC 50+ DC 50
Between 21 m- 100 m	40	DC 50+ DC 75

*This table represents data for 3 m height. Please contact with our technical service for system solutions for buildings with higher floors.

Technical Specifications

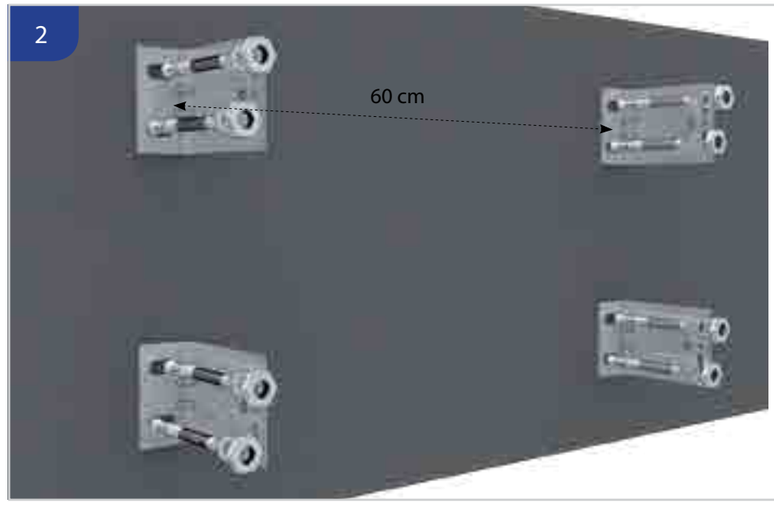
- Snap a chalk line with 60 cm horizontal intervals on the wall surface to mark the places of the L brackets to be fastened.
- Fasten the OUTWEAR L Brackets with appropriate dowels selected special to conditions.
- Fix sized OUTWEAR DC or OUTWEAR T profiles to OUTWEAR L Brackets by using OUTWEAR hex-head self-drilling screws with gasket.
- Fasten the OUTWEAR PVC Starting Profile beneath the OUTWEAR profiles by OUTWEAR self-drilling screws from outer surface of the wall.
- Place the OUTWEAR Plasterboards through PVC Starting Profile on the ground.
- Fasten the pre-sized OUTWEAR Plasterboards to outer surface of OUTWEAR DC profiles at 20 cm intervals by OUTWEAR self-drilling screws.
- Place rock wool insulation material tightly through OUTWEAR DC Profiles without any gap.
- The OUTWEAR Omega Profiles should be screwed into the inner surface of DC profiles from both sides by OUTWEAR self-drilling screws with gasket with 70 cm intervals angled 10˚ parallel to the floor.
- After adhesion of AYPAN Noise Reduction Tape to the back of the AYPAN DU profiles, fix the profiles to the floor and ceiling by using AYPAN Plastic Dowel and Pan Head Screw Set at 60 cm intervals.
- Place OUTWEAR DCC profiles through mid-axial level of OUTWEAR DC profiles at horizontal 60 cm intervals
- Fix the profiles to each other by using an OUTWEAR Self Drilling Screws with Gasket for each side
- Mount OUTWEAR DCC Profiles through OUTWEAR DU Profiles on floor and ceiling by using two OUTWEAR Self Drilling Screws for each side.
- Place second layer rock wool insulation material through OUTWEAR DC Profiles from interior surface. Ensure that the joints are in staggered orientation.
- Screw pre-sized OUTWEAR plasterboards with vertical 40 cm intervals from interior surface of the wall by OUTWEAR self-drilling screws.
- Fasten pre-sized AYPAN plasterboards over OUTWEAR plasterboards at front surface by AYPAN self-drilling screws. AYPAN plasterboard joints should not be overlaid with OUTWEAR plasterboard joints on the rear surface.
- Apply AYGIPS Joint Tape and AYGIPS Joint Filling Plaster at joints of AYPAN plasterboards.
- Prepare interior surface of the wall for painting by applying AYGIPS satin plaster on it.

1



Double Profile System offer solutions for building exterior wall of reinforced concrete or steel constructions. It is recommended to be used to meet high sound and heat insulation performance needs and high-rise building demands.

2



The floor surface should be prepared.

Locations where L brackets would be fixed to the existing floor surface should be marked with chalk line in 60 cm horizontal intervals.

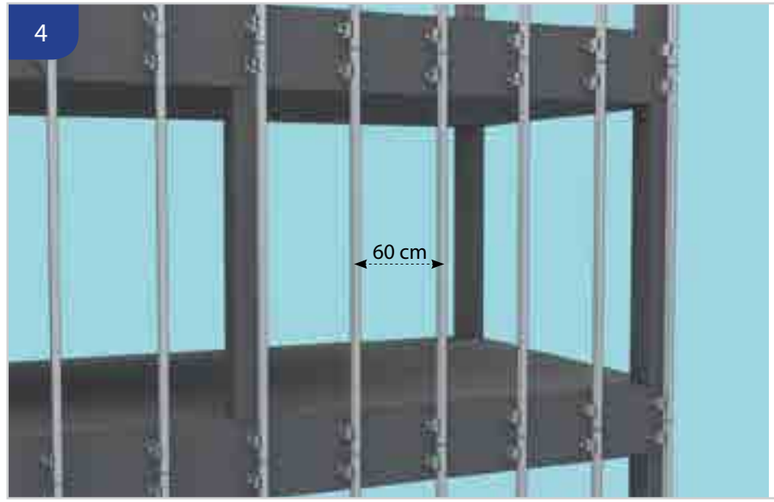
Proper OUTWEAR L Bracket sizes should be selected to obtain smooth, gauged and balanced surfaces.

3

OUTWEAR L brackets should be fixed to the wall.

Selected OUTWEAR L brackets must be fastened to the existing floor surface by proper dowels.

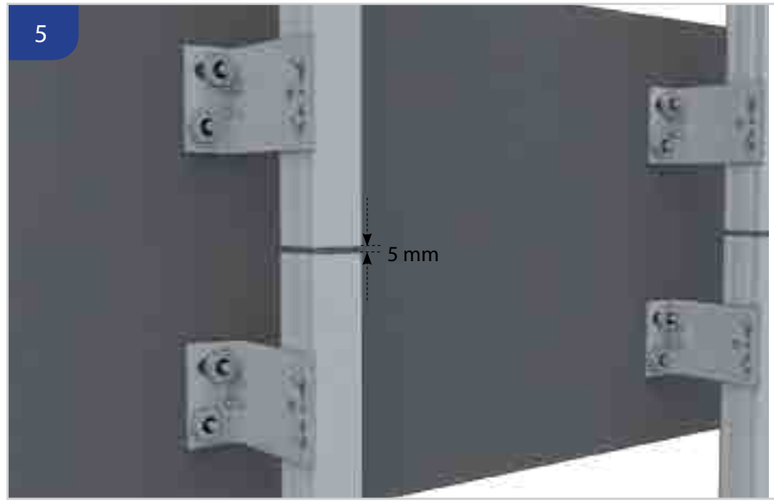
4



OUTWEAR DC profiles should be screwed.

OUTWEAR DC or OUTWEAR T profiles should be fixed to OUTWEAR L Brackets by using OUTWEAR self-drilling hex-head screws with gasket.

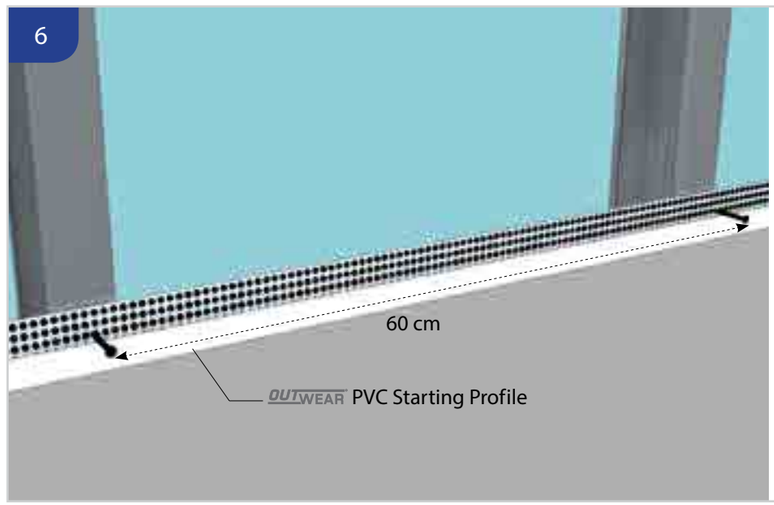
5



OUTWEAR DC profiles should be connected.

A gap of 5 mm in vertical axis should be left between subsequent joints of OUTWEAR DC or T profiles.

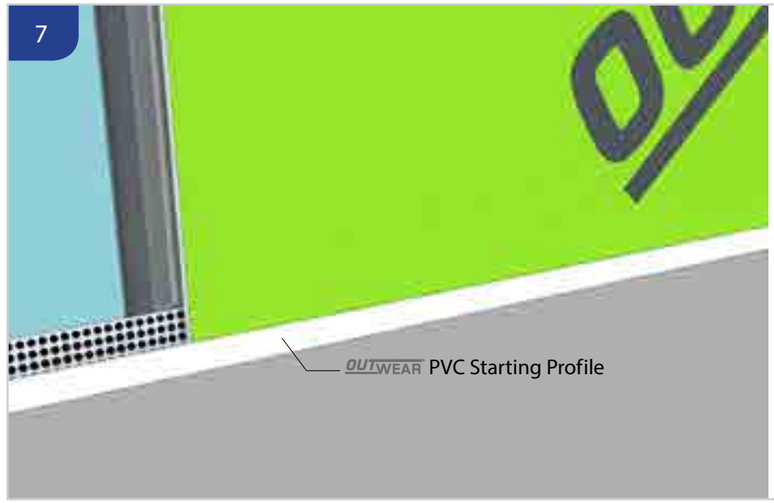
6



OUTWEAR PVC starting profile should be fastened from outside.

The OUTWEAR PVC starting profile should be fastened on the OUTWEAR DU profiles at the floor from outside with 60 cm intervals by OUTWEAR self-drilling screws.

7



OUTWEAR plasterboard should be placed.

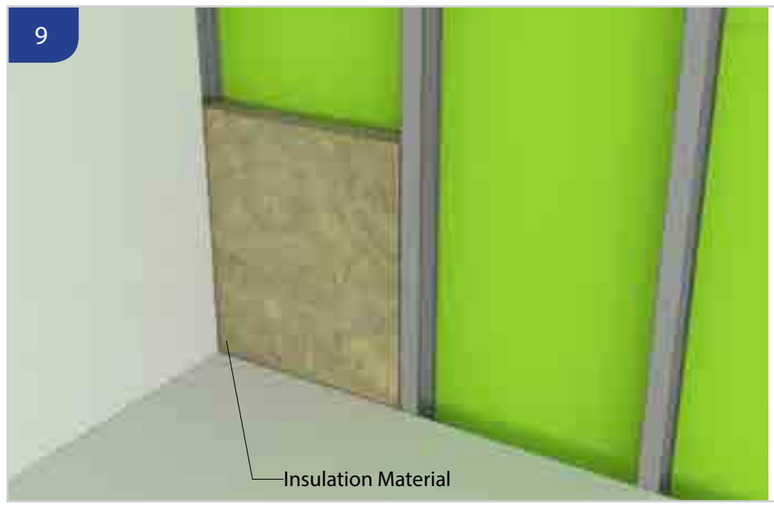
OUTWEAR Plasterboards should be placed through PVC Starting Profile.

8

OUTWEAR plasterboard should be screwed.

The pre-sized OUTWEAR plasterboards should be screwed over OUTWEAR DC Profiles with 20 cm vertical intervals by OUTWEAR self-drilling screws in staggered position.

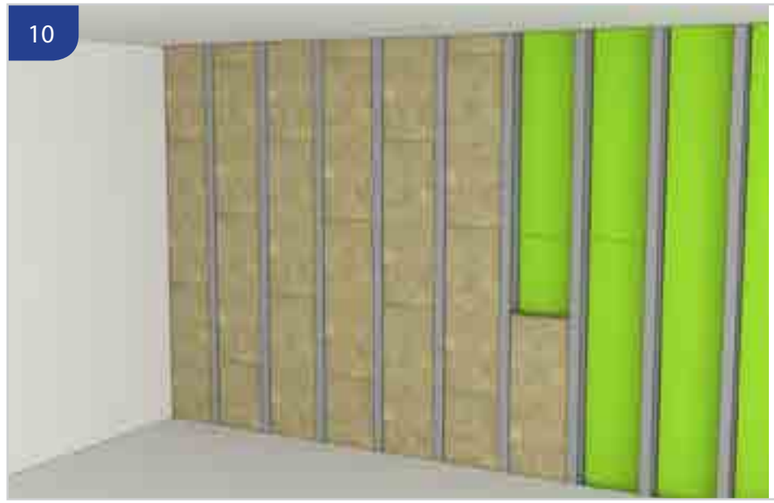
9



Insulation material should be placed.

Insulation material should be placed tightly through OUTWEAR DC Profiles without any gap.

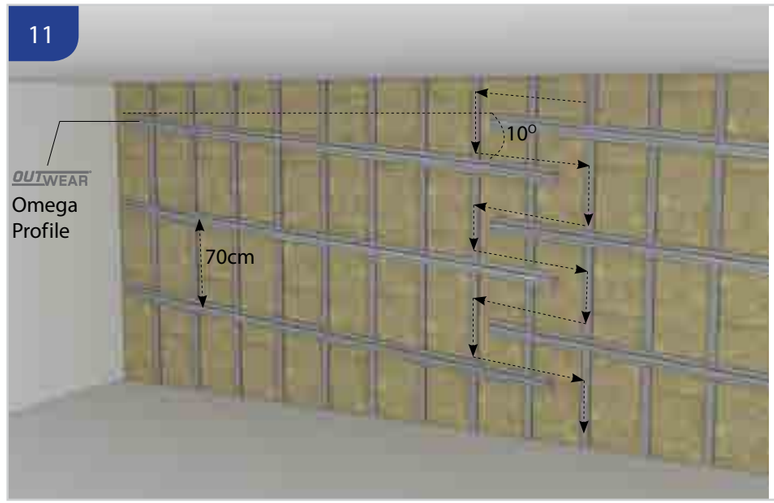
10



Insulation material should be placed in staggered orientation.

In order to avoid thermal bridges on the wall, it is necessary to ensure that the joints are staggered during the insulation material settlement.

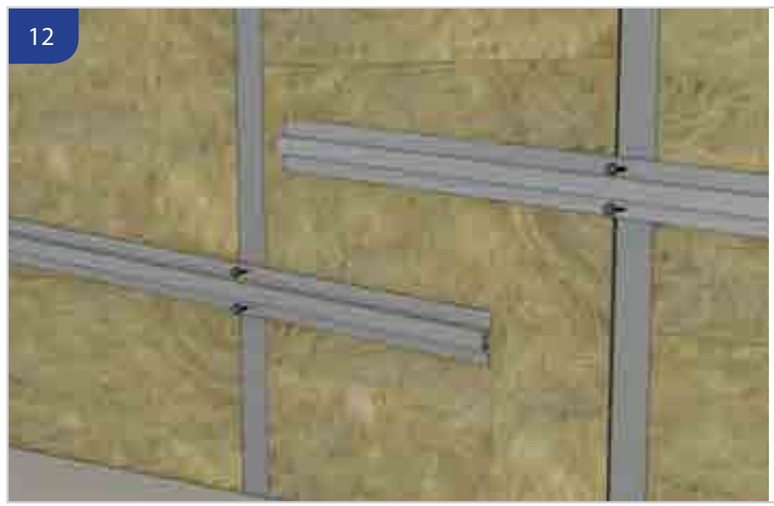
11



OUTWEAR Omega Profile should be placed.

Omega profiles should be positioned vertically with a 70 cm axis to link two frames. Angled 10 degrees to provide airflow through the system.

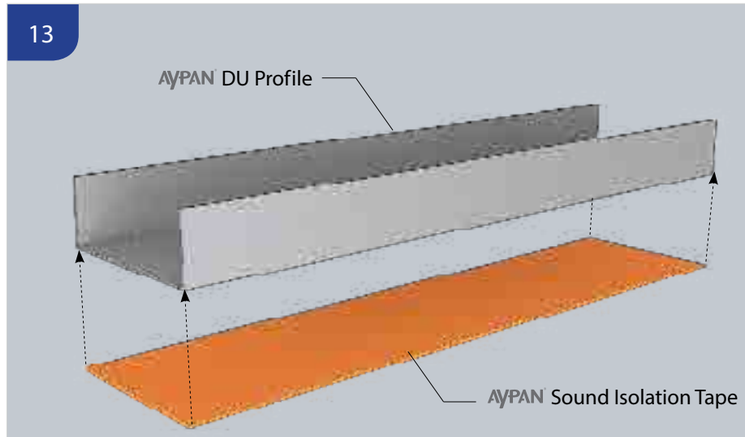
12



OUTWEAR Omega Profile should be screwed.

Omega profiles should be screwed from each side to OUTWEAR DC profiles by OUTWEAR self-drilling screws.

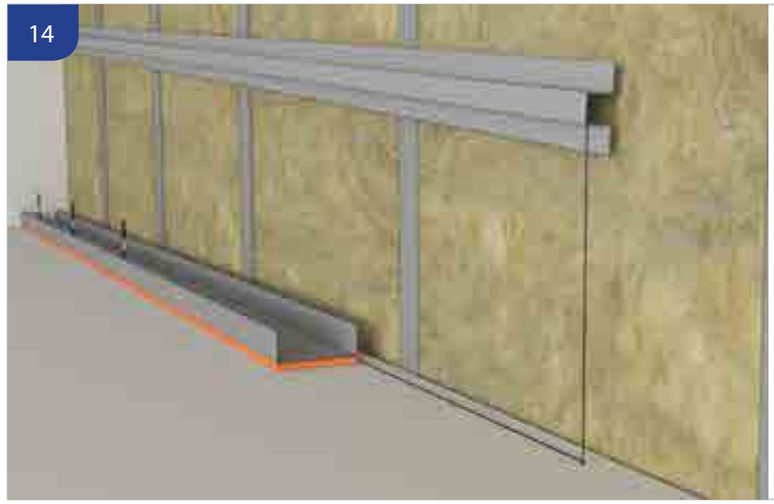
13



AYPAN Noise Reduction Tape should be adhered to the back of the OUTWEAR DU profiles.

AYPAN Noise Reduction Tape should be adhered to the back of the OUTWEAR DU profiles to construct second frame system. This process should be followed wherever the system joins the existing column- beam system.

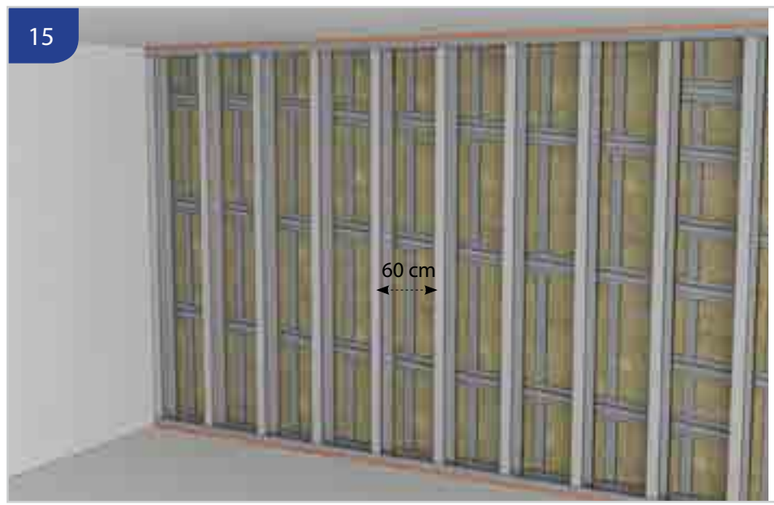
14



OUTWEAR DU profiles should be screwed.

After pasted AYPAN noise reduction tape back of the AYPAN Du, prepared DU Profiles should be fastened to the floor and ceiling with 60 cm intervals by AYPAN Plastic Dowel and Pan Head Screw Set.

15



OUTWEAR DCC Profiles should be placed.

Long side of the OUTWEAR DCC Profiles aligned with OUTWEAR Omega Profiles should be inserted into AYPAN DU Profiles with 60 cm intervals. It should be ensured that the OUTWEAR DC Profiles in the rear are positioned alternately with the OUTWEAR DCC Profiles.

16

OUTWEAR DCC profiles should be fixed to OUTWEAR Omega profiles.

DCC profiles should be fixed with OUTWEAR Self Drilling Screws with Gasket to the Omega profiles already mounted at 70 cm intervals from a single point.

17

Second layer of insulation material should be placed.

Low density insulation plate should be placed through AYPAN DCC Profiles. Joints of adjacent insulation plates should be staggered to avoid heat bridge formation.

18

OUTWEAR plasterboard should be screwed from inside.

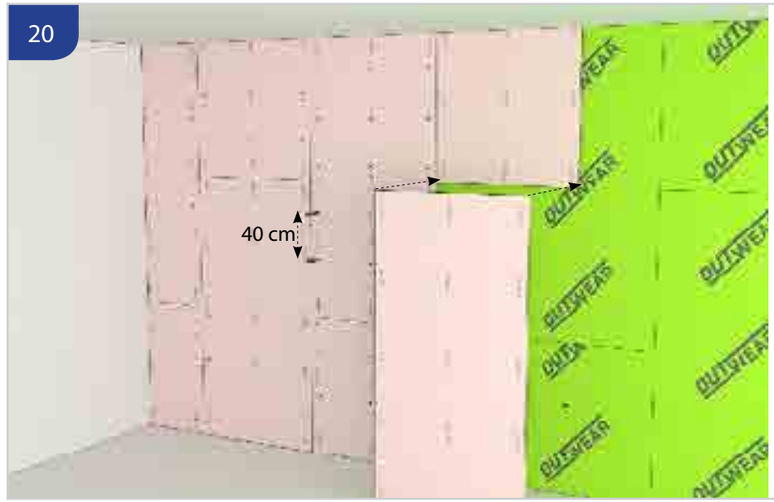
The OUTWEAR plasterboards should be screwed to DCC Profiles with 40 cm vertical intervals by OUTWEAR self-drilling screws. Whole interior surface should be covered with alternate placement of the OUTWEAR plasterboards.

19

Screed application should be completed over existing floor.

After interior OUTWEAR installation, screed application could be done. OUTWEAR plasterboards would not be affected by moisture and mold.

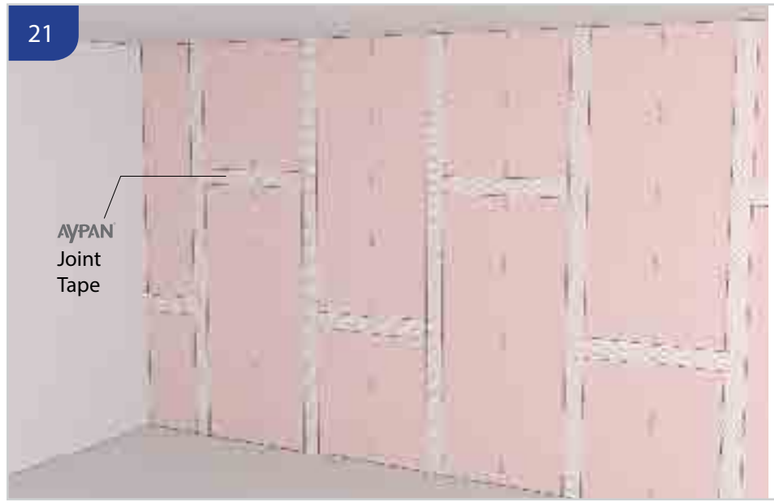
20



AYPAN plasterboard should be screwed from inside.

AYPAN plasterboard installation should be started after the screed application on the ground. The AYPAN plasterboards should be screwed staggered avoiding superposition with OUTWEAR plasterboard joints behind them. AYPAN plasterboards should be fastened over OUTWEAR plasterboards with 40 cm vertical intervals by AYPAN self-drilling screws.

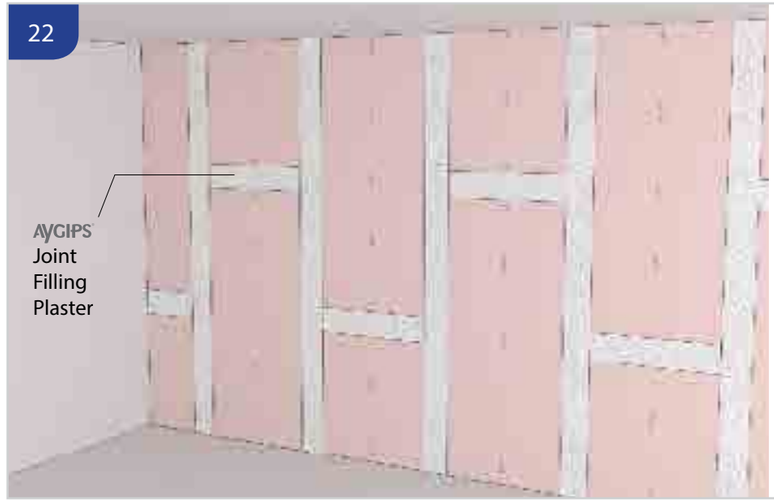
21



Joint tape should be applied from inside.

AYPAN Joint tape should be applied to AYPAN plasterboard joints.

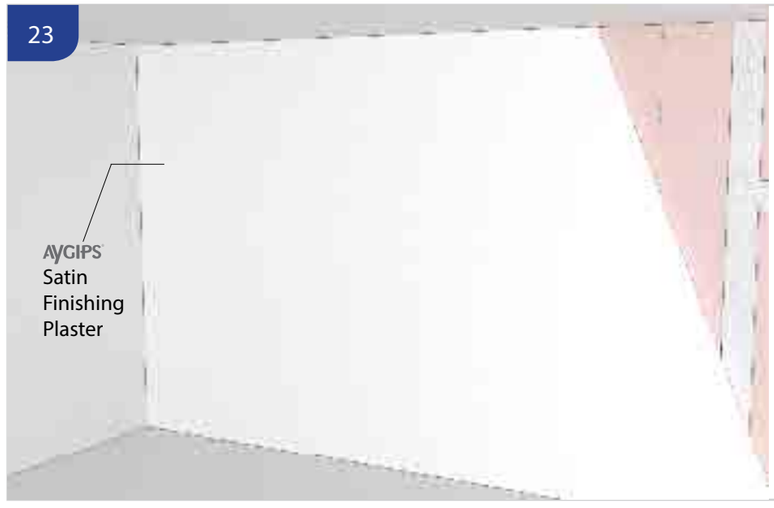
22



Joint filling plaster should be applied from inside.

AYGIPS Joint filling plaster should be applied over AYPAN Joint tape.

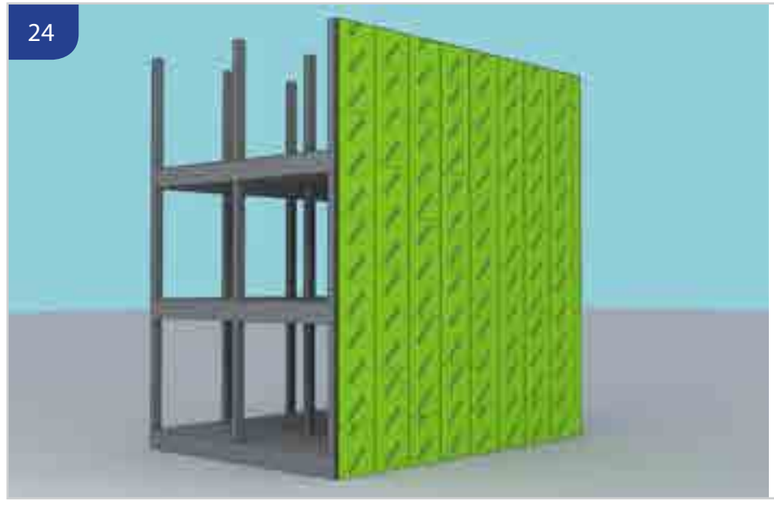
23



Satin Finishing Plaster should be applied from inside.

AYGIPS Satin Finishing Plaster should be applied over the wall.

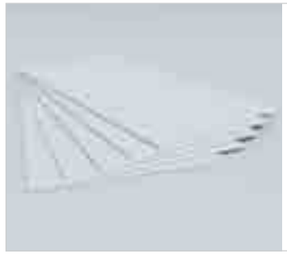
24



The external surface can be finished by plastering or coating application. For different finishing information see chapter "Coating applications over OUTWEAR".

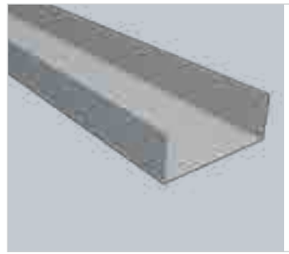
OUTWEAR

OUTWEAR is an external surface plasterboard strengthened with felt type fibers has increased fire resistance and surface hardness features while decreased water absorption rate.



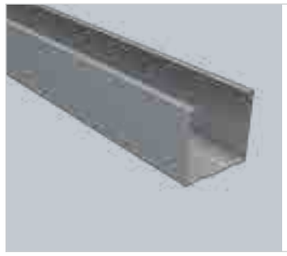
AYPAN

Plasterboard is interior façade plasterboard. AYPAN White, AYPAN Green, AYPAN Red, AYPAN More, AYPAN D More and AYPAN D Plus varieties could be preferred.



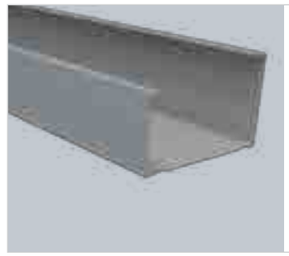
OUTWEAR DU Profile

DU Profile has 275 gr / m² galvanized coating. It is 0.9 mm in thickness, 38 x (50/ 75/100) x 38 mm in dimensions.



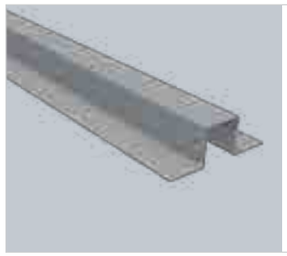
OUTWEAR DC Profile

DC Profile has 275 gr / m² galvanized coating. It is 0.9 mm in thickness, 38 x (50/ 75/100) x 38 mm in dimensions.



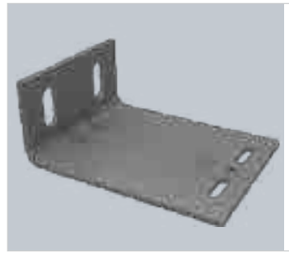
OUTWEAR DCC Profile

Profile has 275 gr / m² galvanized coating. It is 0.9 mm in thickness, 47 x (49/ 74/99) x 53 mm in dimensions.



OUTWEAR Omega Profile

Profile has 100 gr / m² galvanized coating. It is 0.5 mm in thickness, 27 x 25 mm in dimensions.

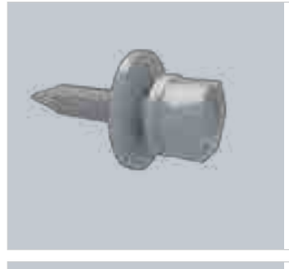


OUTWEAR L Bracket

OUTWEAR L Bracket has 275 gr / m² galvanized coating. It is 50 x 90 x 50/ 75/100 mm in dimensions, 2 mm or thicker in thickness.

Special Dowels

Special dowels are selected specially for existing wall.



OUTWEAR Self Drilling Screw with Gasket

Self Drilling Screw with Gasket has special coating against corrosion. It is 4.8x19 mm in dimensions.

AYPAN Plastic Dowel and Pan Head Screw Set

Plastic Dowel is 8 mm; Pan Head Screw is 45 mm in dimensions.

OUTWEAR Self Drilling Screw

Self Drilling Screw has special coating against corrosion. It is 3.5x25 mm in dimensions.

AYPAN Self Drilling Screw

Self Drilling Screw is made of carbon steel. The size of 35 mm should be preferred for this system.

OUTWEAR Joint Compound and Basecoat

Joint Compound and Base-coat is used as joint filler and primer on joints and over entire surfaces.

OUTWEAR Joint Tape

Alkali Resistant Joint Tape is used on joints and at-tachment points.

OUTWEAR PVC Starting Profile

Starting Profile has PVC based material. It is 12.5x28 mm in dimensions.

AYPAN Noise Reduction Tape

Noise Reduction Tape has varieties for different width as 5 / 7, 5 /10 cm

AYPAN Joint Tape

Joint Tape is made for self-sticking glass fiber. It has varieties for different width as 5/10 cm.

OUTWEAR Plaster Mesh

Plaster Mesh has 160 gr/ m2 alkali resistance.

AYGIPS Joint Filling Plaster

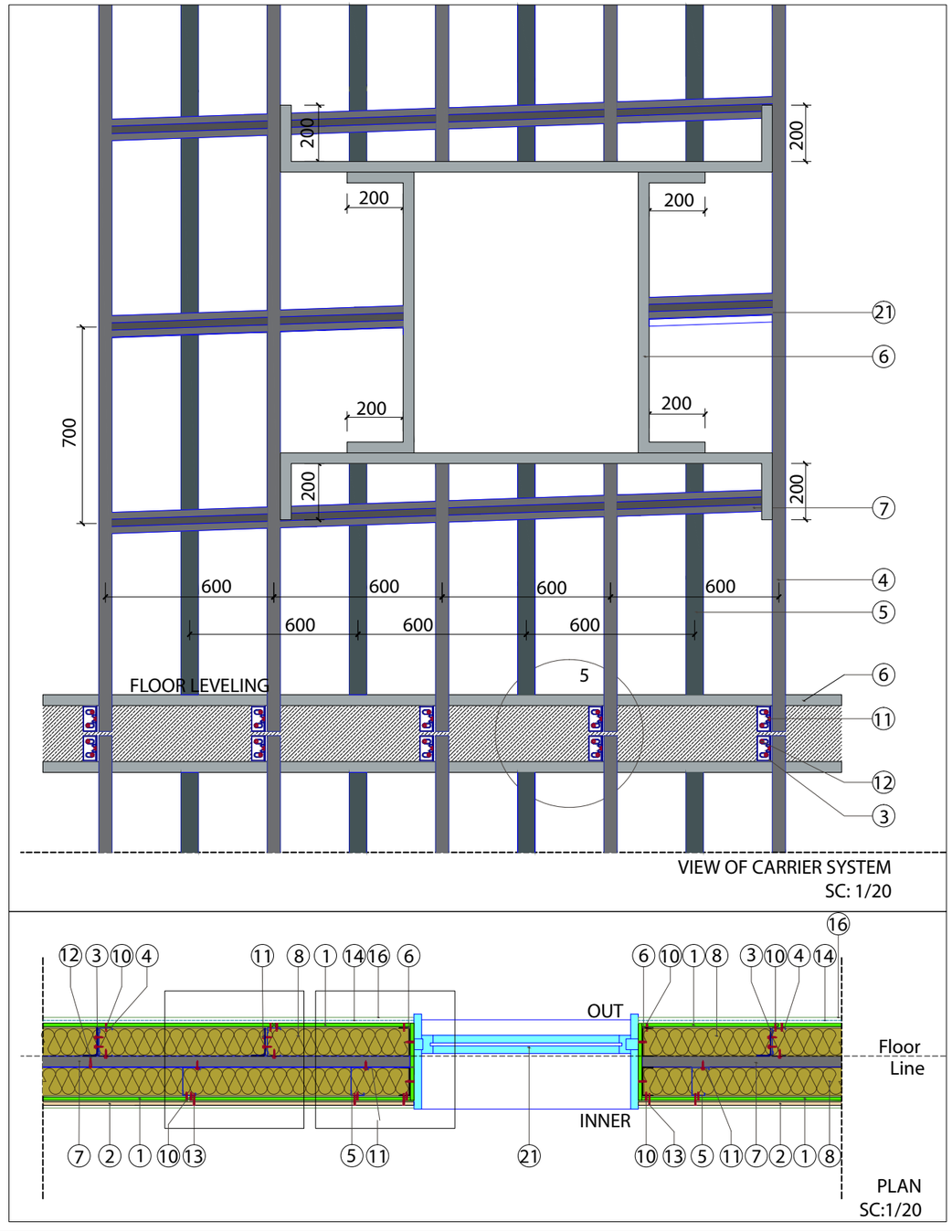
Joint Filling Plaster is used on AYPAN Plasterboard joints with Joint Tape.

AYGIPS Satin Finishing Plaster

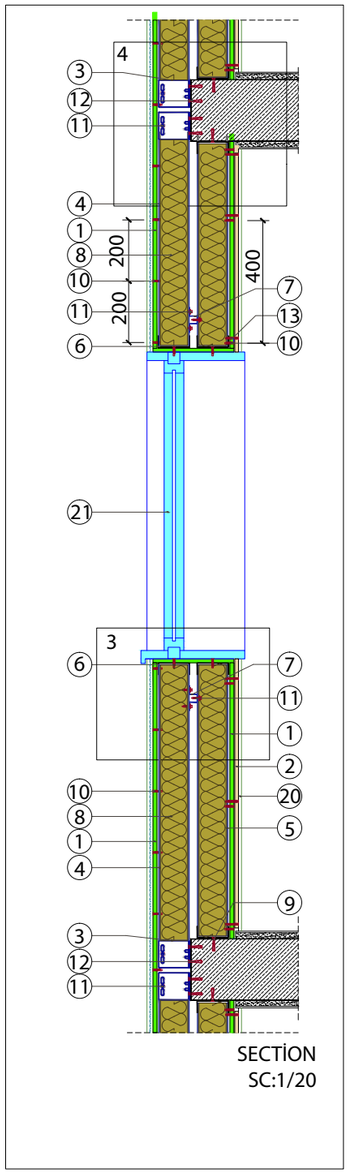
Satin Finishing Plaster is used for preparing surface to paint.

Insulation Plate

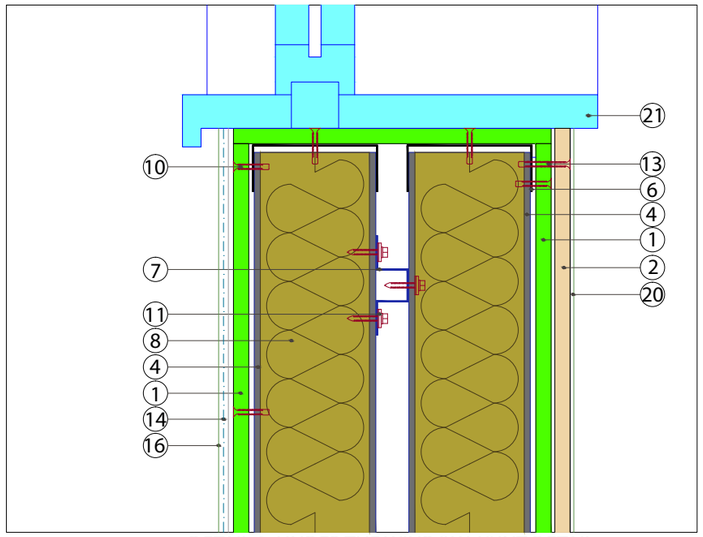
Insulation plate is a rock wool division board to provide heat insulation.



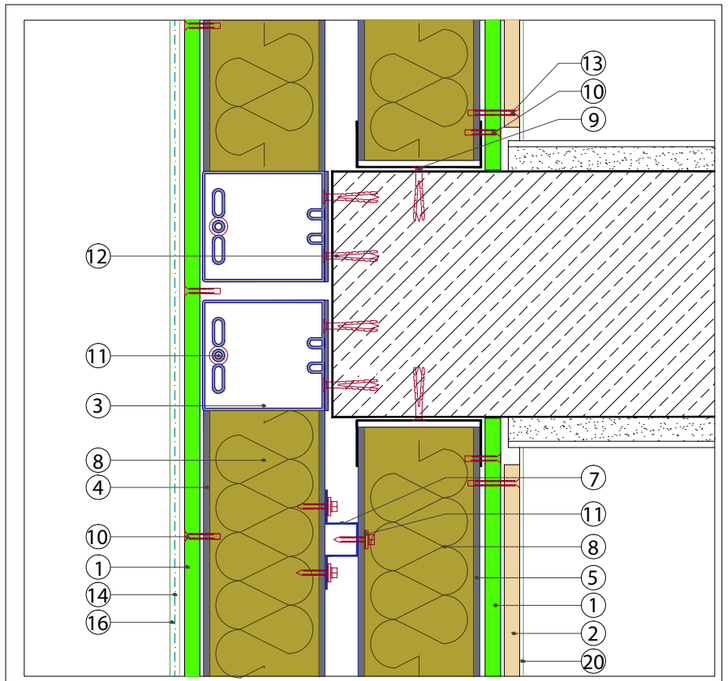
1-Outwear 12,5 mm	OW125OW240	9-Aypan Plastic Dovel and Pan Screw Set	AB048DV045	16-Outwear Joint Compound and Bacecoat	OW001DD025
2-Aypan 12,5 mm	AL125BY250	10-Outwear Self Drilling Screw	OW035MU025	17-Aypan Ceiling U Profil	AK30ETU300
3-Outwear L Bracket	OW50LB100	11-Outwear Hex Head Screw With Gasket	OW048CV019	18-Aypan Ceiling C Profile	AK60ETC300
4-Outwear DC Profile	OW050DC300			19-Aypan Hanger Bar	AB004AC100
5-Outwear DCC 100		12-Aypan Steel Anchor	AB006CD045	20-Aygips Satin Finishing Plaster	AG001ST025
6-Outwear DU Profile	OW50NDU300	13-Aypan Drywall Screw	AB035BV025	21-Window	
7-Outwear Omega Profile	OWO250P300	14-Outwear Alkali Resistant Plastermesh	OW001SF050	22-Outwear Joint Tape	OW075DB045
8-Rock Wool Insulation		15-Aypan Sound Isolation Tape	BN100YB025		



SECTİON
SC:1/20

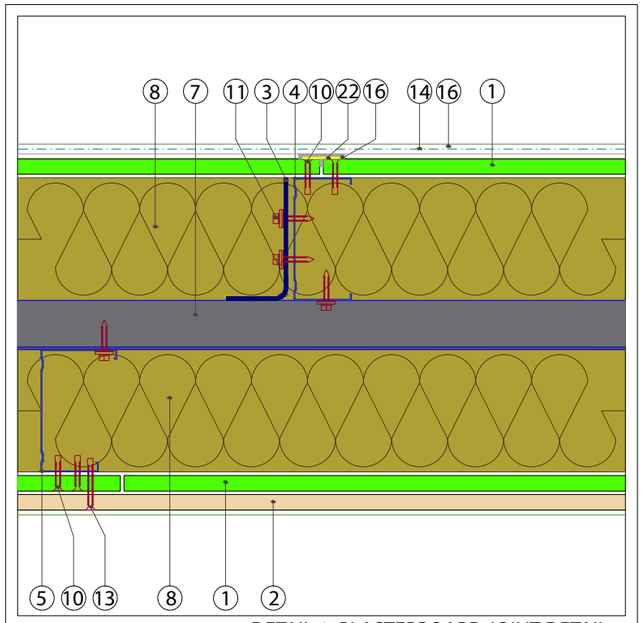


DETAIL 3: UNDER THE WINDOW JOINT DETAIL
SC:1/5

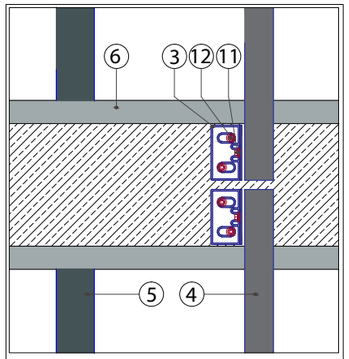


DETAIL 4: EXISTING FLOOR JOINT DETAIL
SC:1/5

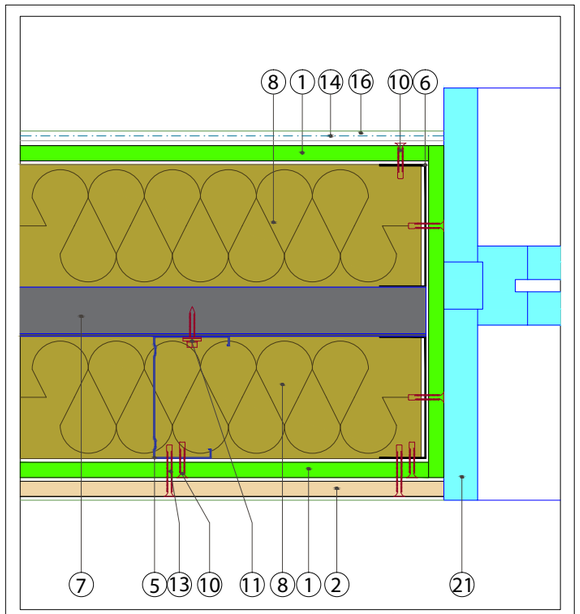
1-Outwear 12,5 mm	OW125OW240	9-Aypan Plastic Dovel and Pan Screw Set	AB048DV045	16-Outwear Joint Compound and Bacecoat	OW001DD025
2-Aypan 12,5 mm	AL125BY250	10-Outwear Self Drilling Screw	OW035MU025	17-Aypan Ceiling U Profil	AK30ETU300
3-Outwear L Bracket	OW50LB100	11-Outwear Hex Head Screw With Gasket	OW048CV019	18-Aypan Ceiling C Profile	AK60ETC300
4-Outwear DC Profile	OW050DC300	12-Aypan Steel Anchor	AB006CD045	19-Aypan Hanger Bar	AB004AC100
5-Outwear DCC 100		13-Aypan Drywall Screw	AB035BV025	20-Aygips Satin Finishing Plaster	AG001ST025
6-Outwear DU Profile	OW50NDU300	14-Outwear Alkali Resistant Plastermesh	OW001SF050	21-Window	
7-Outwear Omega Profile	OWO250P300	15-Aypan Sound Isolation Tape	BN100YB025	22-Outwear Joint Tape	OW075DB045
8-Rock Wool Insulation					



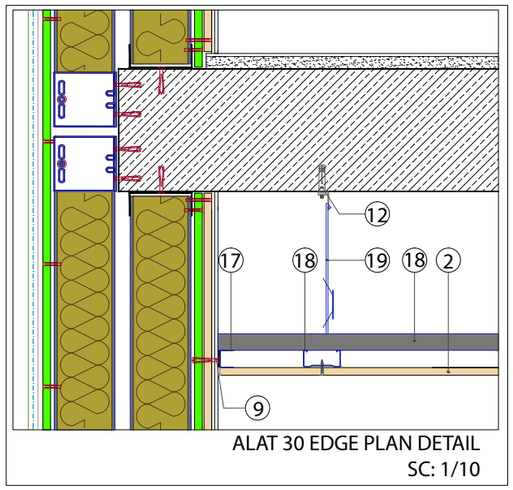
DETAIL 1: PLASTERBOARD JOINT DETAIL
SC:1/5



DETAIL 5: EXISTING FLOOR IMAGE
DETAIL
SC:1/10



DETAIL 2: WINDOW EDGE PLAN DETAIL
SC:1/5



ALAT 30 EDGE PLAN DETAIL
SC: 1/10

1-Outwear 12,5 mm	OW125OW240	9-Aypan Plastic Dovel and Pan Screw Set	AB048DV045	16-Outwear Joint Compound and Bacecoat	OW001DD025
2-Aypan 12,5 mm	AL125BY250	10-Outwear Self Drilling Screw	OW035MU025	17-Aypan Ceiling U Profil	AK30ETU300
3-Outwear L Bracket	OW50LB100	11-Outwear Hex Head Screw With Gasket	OW048CV019	18-Aypan Ceiling C Profile	AK60ETC300
4-Outwear DC Profile	OW050DC300	12-Aypan Steel Anchor	AB006CD045	19-Aypan Hanger Bar	AB004AC100
5-Outwear DCC 100		13-Aypan Drywall Screw	AB035BV025	20-Aygips Satin Finishing Plaster	AG001ST025
6-Outwear DU Profile	OW50NDU300	14-Outwear Alkali Resistant Plastermesh	OW001SF050	21-Window	
7-Outwear Omega Profile	OWO250P300	15-Aypan Sound Isolation Tape	BN100YB025	22-Outwear Joint Tape	OW075DB045
8-Rock Wool Insulation					

OUTWEAR FINISHING APPLICATIONS

1

OUTWEAR joint points should be covered.

OUTWEAR Joint filling mastic, which is proper for external environmental conditions and durable for UV, should apply both horizontally and vertically.

2

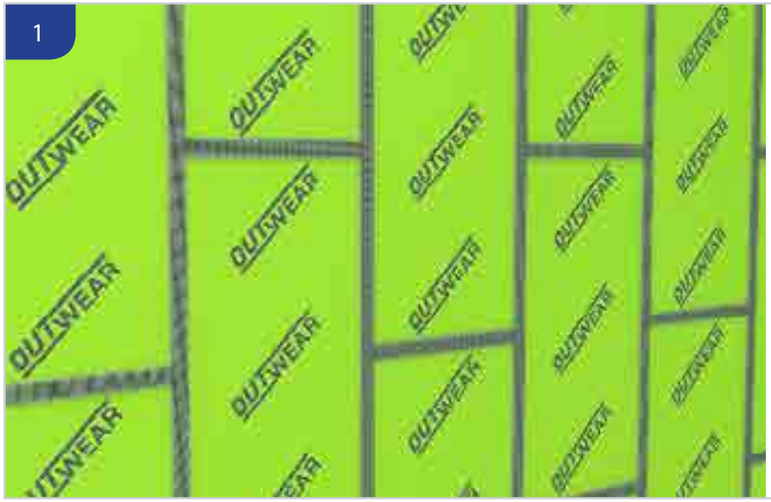
Coating materials should be assembled.

Selected material (ceramic, granite) for covering facade should be assembled at OUTWEAR wall profiles in the manner of carry.

Technical Specifications

- OUTWEAR joint points should be filled with OUTWEAR joint filling mastic, which is durable for water and moisture.
- Coating material should be fixed at OUTWEAR profiles in the manner of carry.

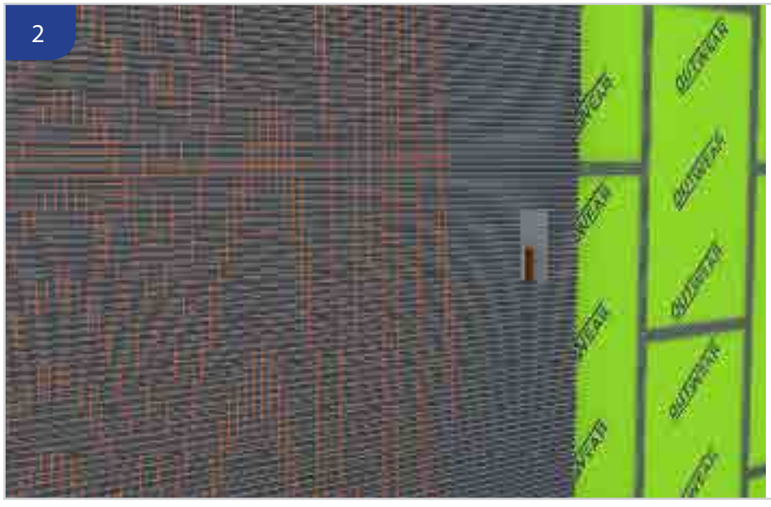
1



OUTWEAR joint points should be covered.

OUTWEAR joint points should be covered by using OUTWEAR Alkali resistant joint tape and OUTWEAR joint compound and basecoat.

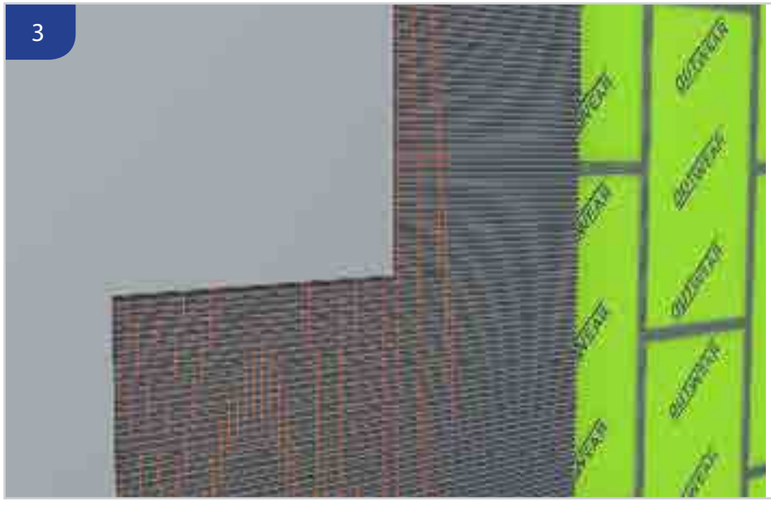
2



OUTWEAR Alkali Resistant Plaster Mesh should be applied.

OUTWEAR Joint compound and basecoat should be applied all over the surface by pointed trowel. 160 gr/m^2 weigh OUTWEAR alkali resistant plaster mesh should be attached to surface as overlay.

3

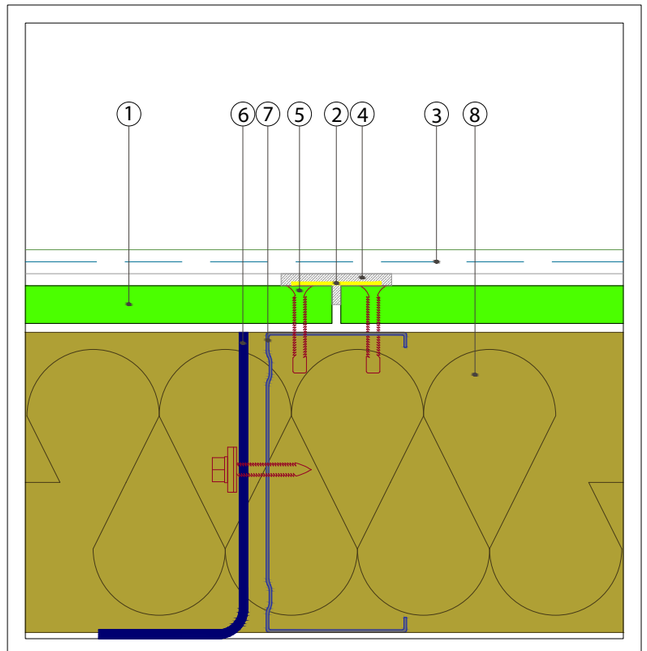


Plaster and Paint should be done.

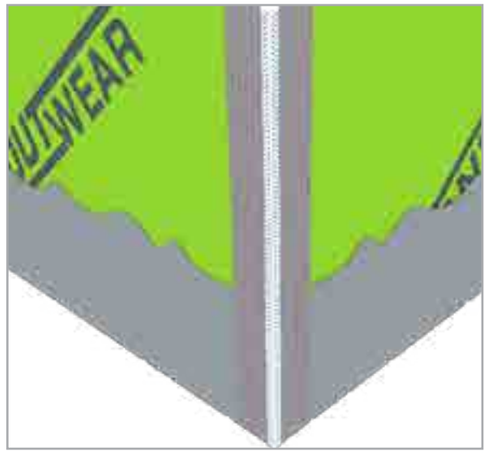
At least 24 hour later, finishing plaster should be applied. Surface gets ready for painting.

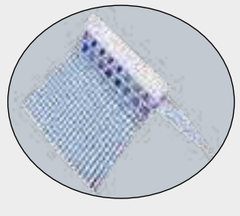
Technical Specifications

- At the OUTWEAR joint points, OUTWEAR alkali resistant joint tape and OUTWEAR Joint compound should be applied both horizontally and vertically.
- After 24 hours finished application at the joint points, OUTWEAR Joint compound and basecoat should be applied with outside durable alkali resistant plaster mesh all over the surface by pointed trowel.
- Plaster mesh joint points should be superposition with 10cm.
- OUTWEAR meshed PVC corner profiles should be applied at corners.
- OUTWEAR meshed PVC drip corner profile should be applied at the windows.
- At least 24 hour later, finishing plaster should be applied. Surface gets ready for painting.



1-Outwear 12,5 mm	OW125OW240
2-Outwear Alkali Resistant Joint Tape	OW075DB045
3-Outwear Alkali Resistant Plastermesh	OW001SF050
4-Outwear Joint Compound and Basecoat	OW001DD025
5-Outwear Self Drilling Screw	OW035MU025
6-Outwear L Bracket	OW050LB100
7-Outwear DC Profile	OW050DC300
8-Rock Wool Insulation	





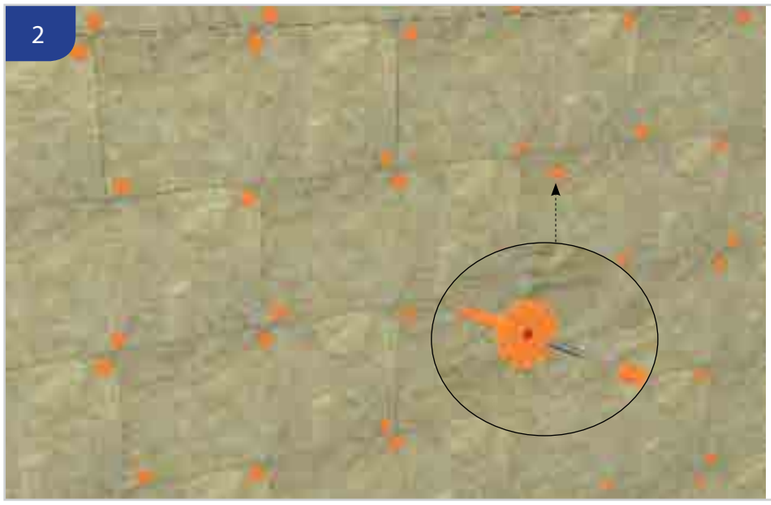
- OUTWEAR meshed PVC drip corner profile should be applied at the door, window, under eaves horizontal surface joint points.
- OUTWEAR alkali resistant plaster mesh should be applied superposition with 20 cm at the both sides of buildings' corners.

1

EIFS material should be pasted by using adhesive mortar.

Cement base proper quality adhesive mortar should be spread the surface by using trowel. EIFS material should be alternately placed.

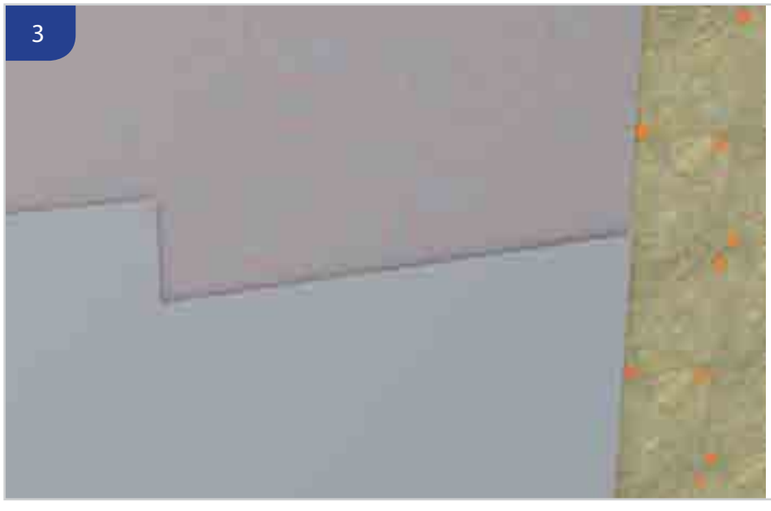
2



EIFS material should be dowelled at joint.

Proper thickness Isolation material chosen according to project should be fixed on OUTWEAR by using parachute head self-drilling dowel.

3

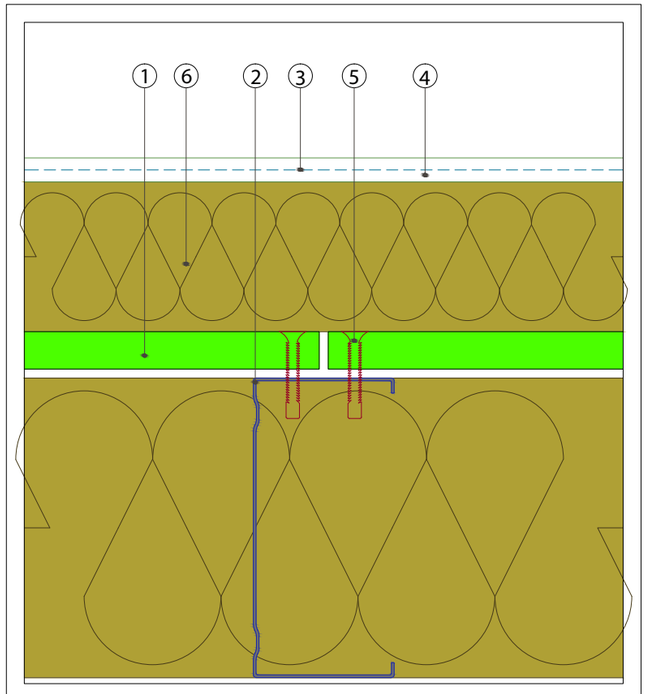


Primer, plaster and paint should be done.

OUTWEAR joint compound and basecoat applied over the surface of EIFS as primer. Over primer 160 gr/m² weigh OUTWEAR alkali resistant plaster mesh should be used with plastering application. At least 24 hour later, finishing plaster should be applied. Surface gets ready for painting.

Technical Specification

- Cement base proper quality adhesive mortar should be spread the surface by using trowel.
- EIFS material should be attached.
- According to proper EIFS application principles parachute head self- drilling dowels fixed on OUTWEAR.
- OUTWEAR joint compound and basecoat should be applied on facade primer with plaster mesh all over the surface.
- Plaster mesh joint points should be superposition with 10cm.
- OUTWEAR meshed PVC corner profiles should be applied at corners.
- OUTWEAR meshed PVC drip corner profile should be applied at the windows.
- *At least 24 hour later, finishing plaster should be applied. Surface gets ready for painting.

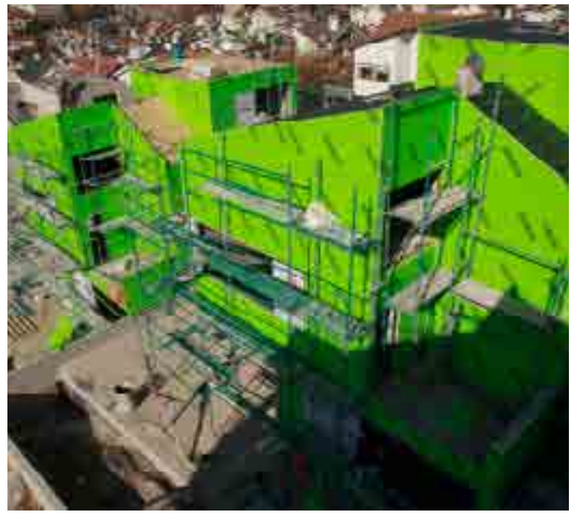


1-Outwear 12,5 mm	OW125OW240
2-Outwear DC Profile	OW050DC300
3-Outwear Alkali Resistant Plastermesh	OW001SF050
4-Outwear Joint Compound and Basecoat	OW001DD025
5-Outwear Self Drilling Screw	OW035MU025
6-Rock Wool Insulation	



OUTWEAR
OUTWEAR
OUTWEAR







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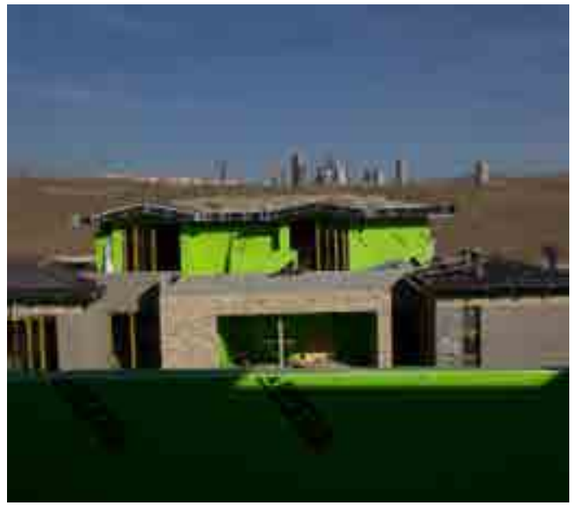
Reference Applications












GROW YOUR SPACE

LIGHTEN YOUR WALL

FIRE RATE YOUR WALL

A1

ACCELERATE YOUR WALL

PROTECT YOUR WALL

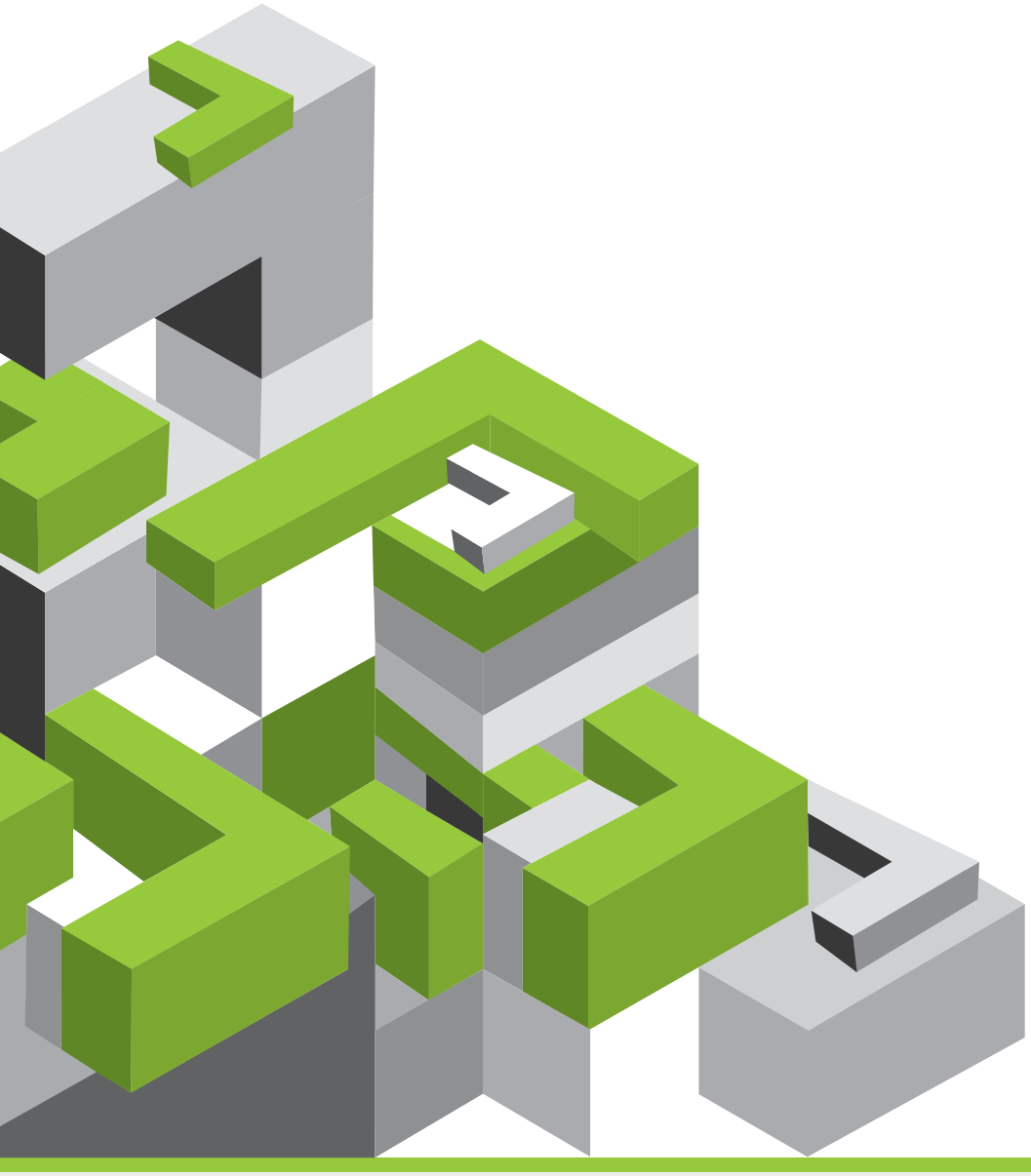
DON'T MOISTEN YOUR WALL

P14BO02

NOTES

OUTWEAR®

FACADE SYSTEMS



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