

# ***plyset***

***Strength Behind Construction***

**PRODUCT  
CATALOGUE**  

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**2 0 2 6**

[www.plyset.com](http://www.plyset.com)



Perfect Finish,  
Lasting Strength



*Shaping Excellence*



### ***The Future of Construction, The Standard of Quality***

*Plyset is an industrial organization established to offer innovative solutions to the fundamental needs of modern architecture and the construction industry; specializing in the fields of gypsum, plasterboard, and construction chemicals.*

*By combining our deep industry experience with a dynamic production approach, we set out to make living spaces safer, more aesthetic, and more sustainable.*

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### ***Strong Production, Advanced Technology***

*We place high quality standards and R&D activities at the center of our production processes.*

*With our gypsum-based products and construction chemicals produced in our modern facilities in compliance with international norms, we increase the durability of projects while adding speed and efficiency to application processes.*



## **Our Vision**

*To become a global brand with innovation-oriented and environmentally friendly production models that set global standards in the building materials sector.*

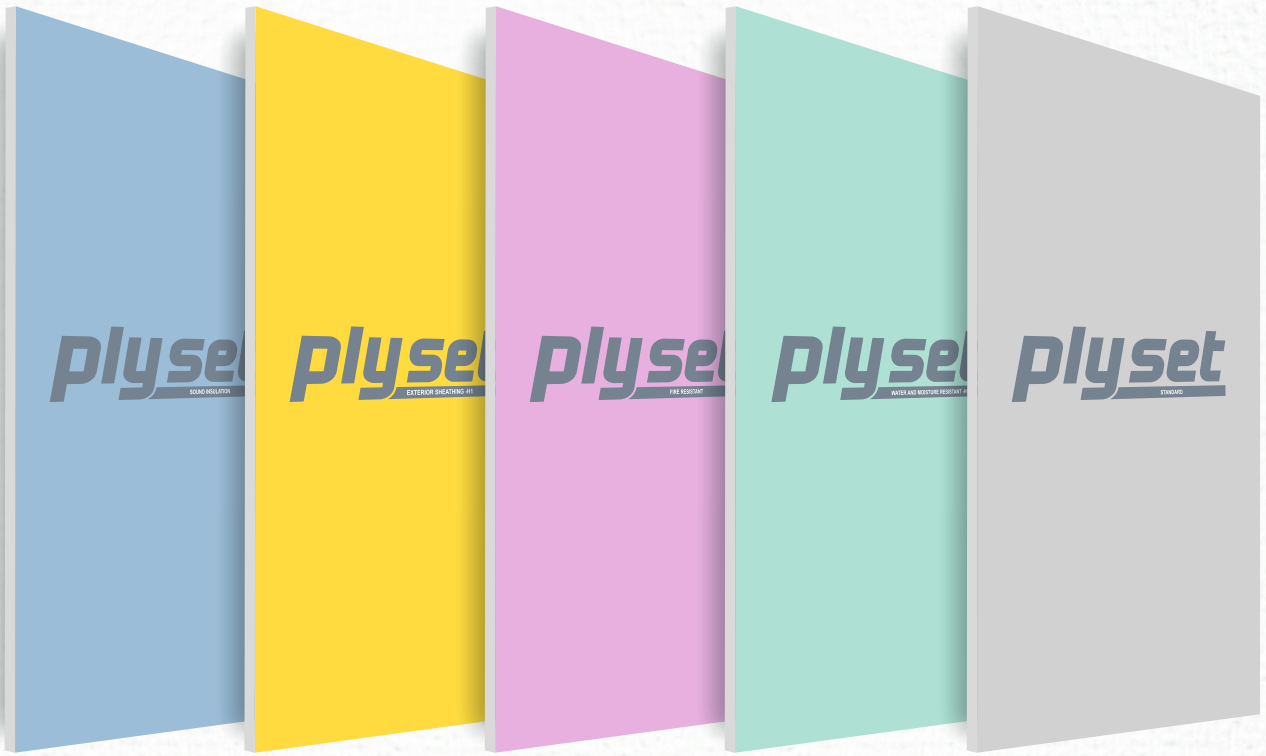
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## **Our Mission**

*To offer our stakeholders in the construction sector high-performance and long-lasting building solutions that they can use with confidence even in the most demanding projects.*

*To add value to the sector by accepting customer satisfaction not as a final result, but as the most fundamental part of the process.*





# plaster board



# STANDARD



**Product description**

Plyset Standard plaster board is an interior board with structural strength and durability above standards, featuring robust beveled edges for increased durability and flexibility.

**Application Areas**

Used for partition walls, cladding walls, and suspended ceilings in interior spaces.

**Warnings and Recommendations**

- Plaster boards should be carried by two people with the long edge parallel to the ground.
- When using a forklift, ensure it has sufficient load capacity and that the operator is qualified and experienced.
- Plaster boards must not be leaned vertically.
- The boards to be used should be dry and have smooth surfaces.

Boards that have absorbed moisture or deformed due to poor storage conditions should not be used.

-Not suitable for use in damp or wet areas. Application is not suitable for gypsum boards stored at surface temperatures exceeding 50°C.

-If wet processes such as screeding or plastering are to follow the installation of gypsum boards, measures should be taken to protect the boards from moisture and water.

-Applying rough plaster to Plyset plaster board is not recommended.

**Application Instructions**

- Mark the metal framework for the partition wall, cladding wall, or suspended ceiling according to the plan on the floor or ceiling.
- After measuring and marking, the metal framework is constructed according to the application conditions.

-Plaster boards should be cut with a utility knife using a straightedge. The knife should cut through the paper into the core.

The board should be bent away from the cut surface, and the paper on the back should be cut with the knife to separate the pieces.

-After cutting, the edges can be smoothed with a plane.

-For the cut edges and non-beveled edges, a bevel of approximately 45° should be created with appropriate tools.

-Beveling allows for smoother and easier application of joint filler.

-Plaster boards should be fixed so that there are no gaps at the joints and screws should be driven perpendicular to the board edges, at least 10-15 mm away from the edges.

-For adhesive applications, gypsum boards should be attached to the existing wall using Plyset DryWall Fixing Coat.

-After fixing, screw heads and joints should be covered with Plyset Filler Coat in three coats.

-Plyset Finishing Coat should be applied in a maximum thickness of 1 mm (1 kg/m<sup>2</sup>) to prepare the surface for the final coating.

**Reference Standard**

EN 520+A1

**Storage Conditions**

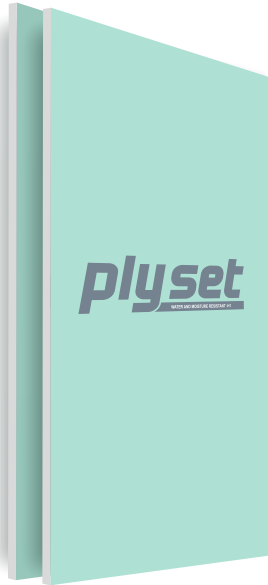
Store in a dry, moisture-free environment on a flat surface, ensuring that it does not come into direct contact with sunlight or external weather conditions. Place spacers under the boards, starting from no more than 10 cm from the short edges and at intervals of up to 50 cm, to prevent contact with the ground. Stack no more than 6 pallets high (maximum height 450 cm), ensuring that spacers between pallets are aligned

## TECHNICAL SPECIFICATIONS

Nominal Thickness	8 mm	9,5 mm	12,5 mm	15 mm	18 mm
Average Weight (kg/m <sup>2</sup> )	≤6,75	≤7,50	≤9,00	≤11,50	≤14,00
Bending Breaking Load Short Edge (N)	≥135	≥160	≥210	≥250	≥303
Bending Breaking Load Long Edge (N)	≥344	≥400	≥550	≥650	≥774
Edge Type	square edge, tapered edge				
Thermal Conductivity(W/m.K)	0,25				
Water Vapor Diffusion Resistance Factor (μ)	10				
Reaction to FireClassification	A2-s1-d0				

Thickness (mm)	Reference Number	Width (mm)	Length (mm)	Packaging
8 mm	8900	1200	2000	40-140
		1200	2200	40-140
		1200	2400	40-140
		1200	2500	40-140
9,5 mm	8901	1200	2000	34-118
		1200	2200	34-118
		1200	2400	34-118
		1200	2500	34-118
12,5 mm	8901	1200	3000	34-118
		1200	2000	26-90
		1200	2200	26-90
		1200	2400	26-90
15 mm	8901	1200	2500	26-90
		1200	3000	26-90
		1200	2000	22-74
		1200	2200	22-74
18 mm	8901	1200	2400	22-74
		1200	2500	22-74
		1200	3000	22-74
		1200	2000	18-62
18 mm	8901	1200	2200	18-62
		1200	2400	18-62
		1200	2500	18-62
		1200	3000	18-62

# WATER and MOISTURE RESISTANT



**Product Description**

Plyset Water and Moisture Resistant plaster board is an interior board with structural strength and durability above standard, featuring robust beveled edges for increased durability and adaptability, and water resistance.

**Application Areas**

Used in interior applications where water resistance is desired, including partition walls, cladding walls, and suspended ceilings.

**Warnings and Recommendations**

-If using a forklift, ensure it has sufficient load capacity and that the operator is qualified and experienced.  
-Plaster boards must not be leaned vertically.

-The boards to be used should be dry and have smooth surfaces.

Boards that have absorbed moisture or deformed due to poor storage conditions should not be used.

-Application is not suitable for plaster boards stored at surface temperatures exceeding 50°C.

-Plyset water-resistant boards should not be used as a waterproofing material.

-Applying rough plaster to Plyset plaster board is not recommended.

**Application Instructions**

-Mark the metal framework for the partition wall, cladding wall, or suspended ceiling on the floor or ceiling according to the plan.

-After measuring and marking, construct the metal framework according to the application conditions.

-For cases where the gypsum boards need

to be cut, use a straightedge and utility knife to cut from the front surface. The knife should cut through the paper and into the core. Bend the board away from the cut surface and cut the paper on the back with the knife to separate the pieces.

-After cutting, smooth the edges with a plane.

-Create a bevel of approximately 45°C on the cut edges and non-beveled edges with appropriate tools.

-Beveling allows for smoother and easier application of joint filler.

-Plaster boards should be fixed so that there are no gaps at the joints and screws should be driven perpendicular to the board edges, at least 10-15 mm away from the edges.

-For adhesive applications, gypsum boards should be attached to the existing wall using Plyset DryWall Fixing Coat

-After fixing, screw heads and joints

should be covered with Plyset Filler Coat.  
-Plyset Finishing Coat should be applied in a maximum thickness of 1 mm (1 kg/m<sup>2</sup>) to prepare the surface for the final coating.

**Reference Standard**

EN 520+A1

**Storage Conditions**

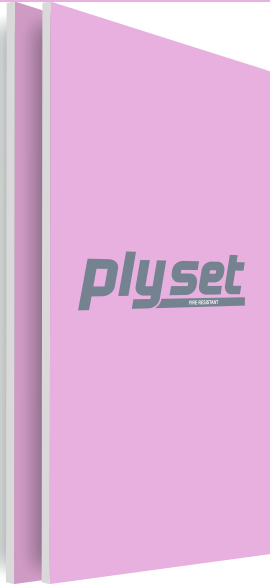
Store in a dry, moisture-free environment on a flat surface, ensuring that it does not come into direct contact with sunlight or external weather conditions.  
Place spacers under the boards, starting from no more than 10 cm from the short edges and at intervals of up to 50 cm, to prevent contact with the ground.  
Stack no more than 6 pallets high (maximum height 450 cm), ensuring that spacers between pallets are aligned.

## TECHNICAL SPECIFICATIONS

Nominal Thickness	9,5 mm	12,5 mm	15 mm	18 mm
Average Weight (kg/m <sup>2</sup> )	≤8,00	≤9,50	≤12,00	≤14,50
Bending Breaking Load Short Edge (N)	≥160	≥210	≥250	≥303
Bending Breaking Load Long Edge (N)	≥400	≥550	≥650	≥774
Edge Type	square edge, tapered edge			
Thermal Conductivity(W/m.K)	0,25			
Total water absorption (%)	H1	≤5		
	H2	≤10		
	H3	≤25		
Surface water absorption (g/m <sup>2</sup> )	H1	<180		
	H2	<220		
	H3	<300		
Water Vapor Diffusion Resistance Factor (μ)	10			
Reaction to FireClassification	A2-s1-d0			

Thickness (mm)	Reference Number	Width (mm)	Length (mm)	Packaging
9,5 mm	8911-H1	1200	2000	34-118
	8911-H2	1200	2200	34-118
	8911-H3	1200	2400	34-118
		1200	2500	34-118
12,5 mm	8912-H1	1200	2000	26-90
		1200	2200	26-90
	8912-H2	1200	2400	26-90
		1200	2500	26-90
15 mm	8913-H1	1200	2000	22-74
		1200	2200	22-74
	8913-H2	1200	2400	22-74
		1200	2500	22-74
18 mm	8914-H1	1200	2000	18-62
		1200	2200	18-62
	8914-H2	1200	2400	18-62
		1200	2500	18-62
8914-H3	1200	3000	18-62	
	1200	3000	18-62	

# FIRE RESISTANT



**Product Description**

Plyset Fire Resistant plaster board is an interior board with structural strength and durability above standard, featuring strong beveled edges for increased durability, adaptability to movement, and fire resistance.

**Application Areas**

Used in interior applications where fire resistance is required, such as partition walls, cladding walls, shaft walls, and suspended ceilings.

**Warnings and Recommendations**

-It is recommended to carry gypsum boards with two people, keeping the long edge parallel to the ground.  
 -When using a forklift, ensure that the forklift has sufficient carrying capacity and that the operator is licensed and experienced.  
 -Plaster boards should not be leaned vertically.

-The boards to be applied should be dry and have smooth surfaces. Plaster boards that have absorbed moisture or have deformed due to poor storage conditions should not be used.

-Plyset plaster board should not be used in damp and wet areas.  
 -Plaster boards with a surface temperature exceeding 50°C during storage should not be applied.  
 -If wet processes such as screeding or plastering are to be carried out after plaster board installation, necessary precautions should be taken to protect the boards from moisture and water.  
 -It is not recommended to apply coarse plaster over Plyset Fire Resistant boards.

**Application Instructions**

-Mark the metal frame for partition walls, cladding walls, or suspended ceilings according to the plan on the floor or ceiling.

-After measurement and marking, construct the metal frame according to the application conditions.

-For cases where gypsum boards need to be cut, use a ruler and a utility knife to cut from the front surface. The knife blade should cut through the paper and reach the core. Bend the gypsum board in the opposite direction of the cut surface and cut the paper on the back with the utility knife to separate the pieces.

-After cutting, use a planer to smooth the edges.  
 -Create a chamfer at approximately 45° with suitable tools on the cut edges and the nonbeveled edges of the boards.  
 -Chamfering allows for a smoother application of joint compound.  
 -Gypsum boards should be fixed without gaps at the joints, and screws should be installed perpendicular to the edges of the gypsum board at least 10-15 mm away from the edges.  
 -For cladding wall applications, plaster

boards are attached to the existing wall using Plyset DryWall Fixing Coat.  
 -After fixing, apply Plyset Filler Coat in three coats over screw heads and joint tape.  
 Plyset Finishing Coat should be applied up to a maximum thickness of 1 mm (1 kg/m<sup>2</sup>) to prepare the surface for final finishing.

**Reference Standard**

EN 520+A1

**Storage Conditions**

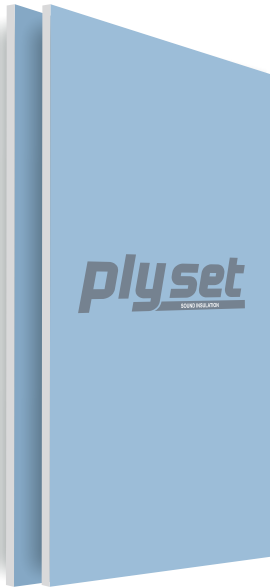
Store in a dry and moisture-free environment, on a flat surface, without direct contact with the ground, and protected from direct sunlight and any external weather or moisture conditions. Place spacers under the boards, starting from a maximum of 10 cm from the short edges and at intervals of up to 50 cm to prevent contact with the ground. Stack up to 6 pallets (maximum height 450 cm), ensuring that spacers between pallets are aligned.

## TECHNICAL SPECIFICATIONS

Nominal Thickness	9,5 mm	12,5 mm	15 mm	18 mm
Average Weight (kg/m <sup>2</sup> )	≤ 8,50	≤ 10,00	≤ 12,50	≤ 15,00
Bending Breaking Load Short Edge (N)	≥ 160	≥ 210	≥ 250	≥ 303
Bending Breaking Load Long Edge (N)	≥ 400	≥ 550	≥ 650	≥ 774
Edge Type	square edge, tapered edge			
Thermal Conductivity(W/m.K)	0,25			
Core Cohesion (min)	≥ 15			
Water Vapor Diffusion Resistance Factor (μ)	10			
Reaction to Fire Classification	A2-s1-d0			

Thickness (mm)	Reference Number	Width (mm)	Length (mm)	Packaging
9,5 mm	8921	1200	2000	34-118
		1200	2200	34-118
		1200	2400	34-118
		1200	2500	34-118
		1200	3000	34-118
12,5 mm	8922	1200	2000	26-90
		1200	2200	26-90
		1200	2400	26-90
		1200	2500	26-90
		1200	3000	26-90
15 mm	8923	1200	2000	22-74
		1200	2200	22-74
		1200	2400	22-74
		1200	2500	22-74
		1200	3000	22-74
18 mm	8924	1200	2000	18-62
		1200	2200	18-62
		1200	2400	18-62
		1200	2500	18-62
		1200	3000	18-62

# SOUND INSULATION BOARD



**Description**

Plyset Sound Insulation plaster board is an interior board with sound insulation, offering structural strength and durability above standard. It is used in areas where sound reflection needs to be reduced.

**Application Areas**

Used in interior applications for acoustic partition walls, acoustic cladding walls, and acoustic suspended ceilings.

**Warnings and Recommendations**

-It is recommended to carry gypsum boards with two people, keeping the long edge parallel to the ground.  
 -When using a forklift, ensure that the forklift has sufficient carrying capacity and that the operator is licensed and experienced.  
 -Plaster boards should not be leaned vertically.

-The boards to be applied should be dry and have smooth surfaces. Plaster boards that have absorbed moisture or have deformed due to poor storage conditions should not be used.  
 -Plyset sound-insulated boards are not suitable for use in damp and wet areas.  
 -Gypsum boards with a surface temperature exceeding 50°C during storage should not be applied.  
 -If wet processes such as screeding or plastering are to be carried out after gypsum board installation, necessary precautions should be taken to protect the boards from moisture and water.  
 -It is not recommended to apply coarse plaster over Plyset soundinsulated boards.

**Application Instructions**

-Mark the metal frame for partition walls, cladding walls, or suspended ceilings on the floor or ceiling according to the plan.

-After measurement and marking, construct the metal frame according to the application conditions.  
 -For cases where gypsum boards need to be cut, use a ruler and a utility knife to cut from the front surface.  
 The knife blade should cut through the paper and reach the core. Bend the gypsum board in the opposite direction of the cut surface and cut the paper on the back with the utility knife to separate the pieces.  
 -After cutting, use a planer to smooth the edges.  
 -Create a chamfer at approximately 45° with suitable tools on the cut edges and the non-beveled edges of the boards.  
 -Chamfering allows for a smoother application of joint compound.  
 -Gypsum boards should be fixed without gaps at the joints, and screws should be installed perpendicular to the edges of the gypsum board at least 10-15 mm away from the edges.

-For cladding wall applications, plaster boards are attached to the existing wall using Plyset DryWall Fixing Coat.  
 -After fixing, apply Plyset Filler Coat in three coats over screw heads and joint tape.  
 -Plyset Finishing Coat should be applied up to a maximum thickness of 1 mm (1 kg/m<sup>2</sup>) to prepare the surface for final finishing.

**Reference Standard**  
 EN 520 + A1

**Storage Conditions**  
 Store in a dry and moisture-free environment, on a flat surface, without direct contact with the ground, and protected from direct sunlight and any external weather or moisture conditions. Place spacers under the boards, starting from a maximum of 10 cm from the short edges and at intervals of up to 50 cm to prevent contact with the ground. Stack up to 6 pallets (maximum height 450 cm), ensuring that spacers between pallets are aligned.

## TECHNICAL SPECIFICATIONS

Nominal Thickness	12,5 mm	15 mm	18 mm
Average Weight (kg/m <sup>2</sup> )	≤11,50	≤14,50	≤16,50
Bending Breaking Load Short Edge (N)	≥210	≥250	≥303
Bending Breaking Load Long Edge (N)	≥550	≥650	≥774
Edge Type	square edge, tapered edge		
Sound Reduction Index (dB)	55		
Water Vapor Diffusion Resistance Factor (μ)	10		
Reaction to Fire Classification	A2-s1-d0		

Thickness (mm)	Reference Number	Width (mm)	Length (mm)	Packaging
12,5 mm	8950	1200	2000	26-90
		1200	2200	26-90
		1200	2400	26-90
		1200	2500	26-90
		1200	3000	26-90
15 mm	8951	1200	2000	22-74
		1200	2200	22-74
		1200	2400	22-74
		1200	2500	22-74
		1200	3000	22-74
18 mm	8952	1200	2000	18-62
		1200	2200	18-62
		1200	2400	18-62
		1200	2500	18-62
		1200	3000	18-62

# EXTERIOR BOARD



**Product Description**

Plyset plaster board is an exterior board with structural strength and durability above standard, featuring a fiberglass mat covering both surfaces, resistant to water and moisture, and classified as A1 non-combustible. It is used in exterior wall applications.

**Application Areas**

Used in exterior wall systems, under eaves applications, wet areas, and areas with water risk, as well as in ventilated exterior systems to create a smooth surface beneath facade cladding materials such as metal, wood, or decorative bricks.

**Warnings and Recommendations**

-It is recommended to carry plaster boards with two people, keeping the long edge parallel to the ground.

- When using a forklift, ensure that the forklift has sufficient carrying capacity and that the operator is licensed and experienced.
- Plaster boards should not be leaned vertically.
- In areas with high and constant humidity, ventilation measures must be taken to expel water vapor.
- Plyset plaster board should not be used as a water insulation material in any system.

**Application Instructions**

- Plyset exterior boards should be mounted to profiles with corrosion-resistant screws using a drill or screwdriver.
- The distance between screws for securing Plyset exterior boards should not exceed 20 cm.
- Joints of Plyset exterior boards should be treated with alkali-resistant fiberglass joint tape and cement-based polymer fillers for joint filling and primer plaster.

- When determining profile spacing and profile type, the system to be used should be considered.
- Insulation materials to be mounted on Plyset exterior surfaces should be fixed to profiles using drill anchors.
- Joints on Plyset exterior boards should be staggered in wall applications.
- An alkali-resistant plaster mesh with a weight of 160 g/m<sup>2</sup> should be applied to the surface of Arplak exterior boards. The mesh should be close to the outer surface and embedded in the plaster.
- Use a PVC-based corner profile with mesh to ensure corners are straight.

**Referans Standard**

-EN 15283-1 + A1

**Storage Conditions**

- Place spacers under the boards, starting from a maximum of 10 cm from the short edges and at intervals of up to 50 cm to prevent contact with the ground.
- Stack up to 6 pallets (maximum height 450 cm), ensuring that spacers between pallets are aligned.

## TECHNICAL SPECIFICATIONS

Nominal Thickness	12,5 mm	15 mm	18 mm
Average Weight (kg/m <sup>2</sup> )	≤11,00	≤13,50	≤16,00
Bending Breaking Load Short Edge (N)	≥210	≥250	≥303
Bending Breaking Load Long Edge (N)	≥550	≥650	≥774
Edge Type	square edge, tapered edge		
Ithermal conductivity (W/m.K)	0,25		
Total water absorption (%)	H1	≤5	
	H2	≤10	
Water Vapor Diffusion Resistance Factor (μ)	10		
Core Cohesion (min)	≥15		
Reaction to FireClassification	A1		

Thickness (mm)	Reference Number	Width (mm)	Length (mm)	Packaging
12,5 mm	8940-H1 8940-H2	1200	2000	26-90
		1200	2200	26-90
		1200	2400	26-90
		1200	2500	26-90
		1200	3000	26-90
15 mm	8941-H1 8941-H2	1200	2000	22-74
		1200	2200	22-74
		1200	2400	22-74
		1200	2500	22-74
		1200	3000	22-74
18 mm	8942-H1 8942-H2	1200	2000	18-62
		1200	2200	18-62
		1200	2400	18-62
		1200	2500	18-62
		1200	3000	18-62





# gypsum plaster



# FINISHING COAT



## Product Description

Plyset Finishing Coat (fine plaster) used on walls covered with plasterboard or gypsum plaster.

## Application Areas

-It is applied over rough plaster, gypsum plaster, gypsum block walls, plasterboard, exposed concrete, and dirty or painted surfaces.

## Application Features

-Working time: 90-120 minutes  
 -Application thickness: min. 1 mm, max. 2mm  
 -Setting time: 60-90 minutes  
 -Non-combustible building material  
 -Does not promote bacteria or mold growth  
 -Fills voids and smooths surface imperfections  
 -Creates a glass-like, smooth surface suitable for any type of paint or decorative coating  
 -Provides a smooth and hard surface thanks to its special grain distribution.

## Surface Preparation

Surfaces to be applied must be free of dust, dirt, grease, and other residues that could prevent adhesion.

## Conditions for Application

-Ambient temperature should be between +5°C and +30°C.

-Do not apply to surfaces that are frozen, thawing, or at risk of freezing within 24 hours.  
 -Avoid application under direct sunlight, strong wind, or on hot surfaces.  
 -Finishing Coat application should be completed immediately after the base surface treatment, and the surface treatment should be finalized.  
 -Completed surfaces must not come into contact with water.

## Warnings and Recommendations

-The water/alabaster ratio in the mixture must be carefully observed. Deviations from this ratio can cause peeling, cracking, and reduced strength.  
 -Application should not be performed in extremely hot, dry, or windy conditions.  
 -Applications in excessively hot environments may result in peeling, cracking, and loss of strength.  
 -Proper storage conditions for the product must be followed. Products should not be stored in damp or excessively hot environments.  
 -Do not use if the material has formed lumps inside the bag.  
 -Since the product contains various chemical additives and plaster, inhalation of dust should be avoided. It should not come into contact with skin or eyes. In case of contact, wash thoroughly with plenty of water.

-During work, appropriate personal protective equipment such as masks and gloves should be used.

## Application Tools

Paddle mixer, steel trowel

## Application Instructions

-The container used for preparing the mix must be clean and free of residues from previous mixes.  
 -The cleanliness of the water and materials used must be ensured.  
 -The water used in the mix should not be salty, acidic, or oily. The water temperature should be between 17 and 23°C.  
 -The mix should be prepared with 6.75-7.25 liters of water for 10 kg of Finishing Coat.  
 -Water is added to the container first, followed by Finishing Coat.  
 -Wait about 2-3 minutes for the plaster to absorb the water.  
 -Mix thoroughly with a paddle mixer or by hand until the mixture reaches a homogeneous consistency.  
 -When using a mechanical mixer, it should operate at a low speed.  
 -To avoid clumping, no additional water or plaster should be added after mixing.  
 -The materials used in the application should be kept clean.

-No other product or material should be mixed with Finishing Coat.

-The prepared plaster should be applied to the surface with a clean trowel. The marks should be trimmed with the edge of a steel trowel once the plaster starts to set.

-After the plaster has dried, it should be sanded.

-The application thickness should be at least 1 mm and a maximum of 2 mm.

## Storage Conditions

-In a dry environment, a maximum of 18 bags should be stacked on top of each other.  
 -The bags should be stored in a way that prevents contact with the ground and protects them from moisture.  
 -Under these conditions, Finishing Coat should be used within 12 months of the production date.  
 -Improper storage conditions or exceeding the usage period may impair the quality of the product.

## About the Product

Appearance	White, powder
Shelf Life	See storage conditions
Packaging	In 25 kg laminated polypropylene bags

## Application Features

Application temperature	Between +5°C and +35°C
Mix ratio	6.75-7.25 liters of water per 10 kg powder
Pot Life	90-120 minutes
Setting time	60-90 minutes
Application thickness	1mm minimum-2 mm maximum
Coverage	1 kg/m <sup>2</sup> (For 1mm thickness)

## Performance Information

Flexural Strength	≥1N/mm <sup>2</sup>
Pressure Resistance	≥2N/mm <sup>2</sup>
Calcium Sulfate Percentage	≥ 50%
Initial Set Time	≥20 minutes
Fineness determination (1500µ)	≥%0
Thermal Resistance	<0.3W(m/K)
Airborne Sound Insulation	NPD
Dry Surface Hardness	≥ 40 SHORED
Fire Class	A1
Temperature Resistance	Between -30°C and +60°C

Note: The application properties have been obtained based on tests conducted in a laboratory environment (23 ± 2°C, 50 ± 5% humidity, and no air flow) and may vary under different environmental conditions. Performance information has been tested in environments specified by the relevant product standard, and results may differ in other conditions.

## Reference Standards

EN 13279-1/C6/20/2  
CE



# DRYWALL FIXING COAT



## Product Description

Plyset DryWall Fixing Coat plaster that allows for the bonding of plasterboards to surfaces such as concrete, gas concrete, and brick, offering flexibility and decorative aesthetics.

## Application Areas

Used for covering existing wall surfaces with plasterboards, bonding polystyrene materials, mineral wool, and insulated boards to walls and other building components, and filling gaps at wall-to-ceiling junctions.

## Application Features

- Pot life: min. 60 minutes
- Setting time: 80-90 minutes
- Has strong adhesion capability
- Strength increases rapidly after setting
- Eases application
- Does not produce bacteria, mold, or fungi
- Regulates moisture levels, providing a healthy environment

## Surface Preparation

- The surfaces to be applied should be free of dust, dirt, grease, and other residues that could prevent adhesion.
- Surfaces to be applied in dry and hot conditions should be dampened.
- Smooth surfaces should be roughened with gritted bonding primer before application.

## Conditions for Application

- Ambient temperature should be between +5°C and +30°C.
- Do not apply on frozen, melting, or surfaces at risk of freezing within 24 hours.
- Completed surfaces must not come into contact with water.
- Do not apply under direct sunlight, strong winds, or on hot surfaces.

## Warnings and Recommendations

- The water-to-plaster ratio must be carefully observed. Failure to maintain this ratio can lead to peeling, cracking, and reduced strength.
- Application should not be done in very hot, dry, or windy environments. Excessive heat can cause peeling, cracking, and loss of strength.
- Pay attention to product storage conditions. Products should not be stored in damp or excessively hot environments. Do not use if the product shows signs of caking or hardening inside the bag.
- Avoid inhaling dust as it contains various chemical additives and plaster. It should not come into contact with skin or eyes. In case of contact, wash thoroughly with plenty of water. Use protective clothing such as masks and gloves during work.

## Application Tools

Paddle mixer, trowel, steel trowel

## Application Instructions

- The container used for preparing the mixture should be clean and free from residues of previous mixtures.
- The cleanliness of the water and materials used must be ensured. The water temperature should be between 17 and 23°C.
- The mixture should be prepared with 5.75-6.25 liters of water for every 10 kg of DryWall Fixing Coat.
- Water should be added to the container first, followed by sprinkling DryWall Fixing Coat.
- Allow the plaster to absorb the water for approximately 2-3 minutes.
- Mix thoroughly with a trowel or electric mixer until the mixture reaches a homogeneous consistency.
- If using a mechanical mixer, it should be operated at a low speed.
- To prevent clumping, no additional water or plaster should be added after mixing.
- Ensure that all materials used in the application are clean.
- No other product or material should be mixed with DryWall Fixing Coat.
- The surface to be applied must be dampened immediately before application.
- For smooth surfaces such as concrete or aerated concrete, the adhesive can be applied using a notched trowel.

- For uneven surfaces such as brick, stone, or block, apply in lumps.
- After applying the adhesive, the plasterboard should be pressed onto the surface and adhered. The boards should be pressed against the wall with the help of a straightedge.
- The same procedure should be followed for other materials to be adhered to the wall.

## Storage Conditions

Up to 18 bags can be stacked on top of each other in a dry environment. Bags should be stored in a way that prevents contact with the ground and protects them from moisture. Under these conditions, DryWall Fixing Coat should be used within 12 months from the production date. Improper storage conditions or exceeding the usage period may impair the product's qualities.

## About the Product

Appearance	White, powder
Shelf Life	See storage conditions
Packaging	In 25 kg laminated polypropylene

## Application Features

Application temperature	Between +5°C and +35°C
Mix ratio	5.75-6.25 liters of water per 10 kg powder
Pot Life	60 minutes minimum
Setting time	15-60 minutes
Coverage	1 - 1.5 kg/m <sup>2</sup>

## Performance Information

Compressive Strength	≥2N/mm <sup>2</sup>
Calcium Sulfate Percentage	≥30
End of Working Time (pot life)	≥60 minutes
Adhesion Strength	≥0.06 MPa
Thermal Resistance	≤0.3W/(m <sup>2</sup> K)
Airborne Sound Insulation	NPD
Dry Surface Hardness	≥50 SHORED
Fire Class	A1
Temperature Resistance	Between -30°C and +60°C

**Note:**The application properties have been obtained based on tests conducted in a laboratory environment (23 ± 2°C, 50 ± 5% humidity, and no air flow) and may vary under different environmental conditions. Performance information has been tested in environments specified by the relevant product standard, and results may differ in other conditions.

## Reference Standards

EN 14496  
CE



# FILLER COAT



## Product Description

Plyset Filler Coat used with joint tape on plasterboard joints.

## Application Areas

Used for coating plaster boards on application surfaces and for sealing joints with joint tape.

## Application Features

- Working time: min. 50 minutes
- Setting time: 90-120 minutes
- Waiting time for second coat: 120 minutes
- Fine texture, whiteness, and appropriate setting time provide excellent workability.
- Special particle distribution creates a smooth surface.
- Easily applicable due to its paste-like consistency.
- Its flexibility prevents cracking in joints.
- Does not produce bacteria, mold, or mildew.
- Balances humidity, ensuring a healthy environment.

## Surface Preparation

Surfaces to be applied must be cleaned of dust, dirt, oil, and any residues that could prevent adhesion.

## Conditions for Application

- The ambient temperature should be between +5°C and +30°C.
- It should not be applied on frozen surfaces, surfaces that are thawing, or surfaces at risk of freezing within 24 hours.
- It should not be applied under direct sunlight, strong wind, or on hot surfaces.

## Warnings and Recommendations

- The water/gypsum ratio of the mixture must be carefully observed. Otherwise, an imbalance may cause spalling, cracking, and reduced strength.
- Avoid applying in very hot, dry, and windy environments. Applications in extreme heat may result in spalling, cracking, and loss of strength.
- Pay attention to product storage conditions.
- The product should not be stored in humid or excessively hot environments.
- Do not use the product if it shows signs of solidification within the bag.
- Finished surfaces should not come into contact with water.
- Since it contains various chemical additives and gypsum, avoid inhaling the dust. Avoid contact with skin and eyes. In case of contact, rinse thoroughly with water. During application, wear appropriate protective equipment such as masks and gloves.

## Application Tools

Paddle mixer, spatula, steel trowel

## Application Instructions

- The container for mixing the plaster must be clean and free from residues of previous mixtures.
- The cleanliness of the water and materials used should be ensured. The water temperature should be between 17 and 23°C.
- The plaster should be prepared using 10 kg of Filler Coat with 6.25-6.75 liters of water.
- First, water is added to the container, and then the Filler Coat is sprinkled in. Wait for about 2-3 minutes to allow the plaster to absorb the water.
- Mix thoroughly with a trowel or paddle mixer until the plaster reaches a homogeneous consistency.
- If a paddle mixer is used, it should be operated at a low speed to avoid affecting the setting time. Continue mixing the plaster in the container until it reaches a paste-like consistency at all points.
- No other product or material should be mixed with the Filler Coat.
- No water or plaster should be added during or after mixing.

-Once the plaster is ready, it is applied with a clean trowel. The gaps between wall joints and panels are filled with a preliminary filler.

A joint tape is placed to center the panels before application.

-The first coat of the homogeneous mixture is applied over the joint tape and, once dried, the surface is leveled. The second coat is applied to the plasterboard surface. After the surface dries, sanding is performed.

-Finish with Finishing Coat.

-After application, the surface will be smooth, glossy, and ready for painting.

## Storage Conditions

- The product should be stored in a dry environment, with a maximum of 18 bags stacked on top of each other.
- Bags should be stored in a way that prevents contact with the ground and protects them from moisture.
- Under these conditions, Filler Coat should be used within 12 months from the production date.
- Improper storage conditions or exceeding the usage period may compromise the product's quality.

## About the Product

Appearance	White, powder
Shelf Life	See storage conditions
Packaging	In 25 kg polypropylene laminated bags

## Application Features

Application temperature	Between +5°C and +35°C
Mix ratio	5.5-6 liters of water per 10 kg powder
Pot Life	100-120 minutes
Setting time	20 minutes minimum
Pot life for second screeding	60-80 minutes
Application thickness	10 mm minimum - 20 mm maximum
Coverage	7,5 - 8 kg/m <sup>2</sup> (For 10 mm thickness)

## Performance Information

Flexural Strength	≥1N/mm <sup>2</sup>
Pressure Resistance	≥2N/mm <sup>2</sup>
Adhesion Strength	≥0,1N/mm <sup>2</sup>
Calcium Sulfate Percentage	≤ 50%
Initial Set Time	≤20 minutes
Thermal Resistance	≤0,34W(m/K)
Airborne Sound Insulation	NPD
Dry Surface Hardness	≥40 SHORED
Fire Class	A1
Temperature Resistance	Between -30°C and +60°C

**Note:** The application properties have been obtained based on tests conducted in a laboratory environment (23 ± 2°C, 50 ± 5% humidity, and no air flow) and may vary under different environmental conditions. Performance information has been tested in environments specified by the relevant product standard, and results may differ in other conditions.

## Reference Standards

EN 13963 3B  
CE



# HARD WALL COAT



## Product Description

Plyset Hard Wall Coat plaster that can be applied by machine spraying, with extended setting and working times, and enhanced thermal and acoustic insulation properties.

## Application Areas

It can be easily applied to surfaces such as brick, block, aerated concrete, concrete, and exposed concrete.

## Application Features

- Adjustability time: max. 60 minutes
- Setting time: 90-120 minutes after application
- Sponge float time: 120-150 minutes after application
- Application thickness: on ceilings min. 8 mm, max. 10 mm; on other surfaces 10-20 mm (for a single coat)
- It is a non-combustible building material.
- It does not produce bacteria or mold.

## Surface Preparation

- The surfaces to be applied must be free of dust, dirt, oil, and other residues that could prevent adhesion.
- If there are imperfections on the surface to be applied, they should be corrected with cement based repair mortar.
- The surface must be fully cured and solid.
- Metal surfaces should be protected against rust before application.

- Aluminum screeds should be placed vertically on the wall before application.
- A gritted bonding primer should be used for roughening operations on raw concrete, ceilings, and walls.

## Conditions for Application

- Ambient temperature should be between +5°C and +30°C.
- It should not be applied on frozen, thawing, or surfaces at risk of freezing within 24 hours.
- It should not be applied under direct sunlight, strong wind, or on hot surfaces.
- Completed surfaces should not come into contact with water.

## Warnings and Recommendations

- The water-to-plaster ratio in the mixture must be carefully observed. Deviations can lead to peeling, cracking, and reduced strength.
- Application should not be done in very hot, dry, and windy conditions. Applications in excessively hot environments may result in peeling, cracking, and strength loss.
- Proper storage conditions must be observed. Products should not be stored in damp or excessively hot environments.
- The product should not be used if it has solidified inside the bag.
- The dust should not be inhaled as it contains various chemical additives and plaster.

- It should not come into contact with skin or eyes. In case of contact, wash thoroughly with plenty of water.
- Protective clothing such as masks and gloves should be used during work.

## Application Tools

- Paddle mixer, plastering trowel, straightedge (screed), steel trowel, aluminum screeds

## Application Instructions

- Ensure that the water and tools used are clean.
- The water used in the mixture should not be salty, acidic, or oily. The water temperature should be between 17 and 23°C.
- The mixture should be prepared with 5-5.5 liters of water per 10 kg of Hard Wall Coat.
- Aluminum screeds should be placed on the surface to determine the plaster thickness before application.
- The surface to be plastered should be thoroughly dampened immediately before application.
- Hard Wall Coat should be applied in horizontal strips to the application surface, ensuring no gaps are left and maintaining uniform density.
- The application thickness should be a minimum of 8 mm and a maximum of 10 mm for ceilings, and 10-20 mm for other surfaces (for a single coat). If a second coat is needed, it should be applied before the first coat has fully set. For ceiling surfaces, a single coat is sufficient; for other surfaces, no more than two coats should be applied.

- After 5-10 minutes, the surface should be leveled with a screed.
- When the plaster has set enough that it does not move when touched with a trowel, smoothing with a trowel should be done.
- About 30 minutes after smoothing, the surface should be lightly dampened and floated with a sponge float.
- Once the plaster surface has reached sufficient hardness, it should be finished with a steel trowel.
- After approximately 120 minutes, polishing with a steel trowel should be performed.
- Appropriate plaster mesh should be used at junctions of different materials.
- To dry the newly plastered surface, do not use stoves or other heating methods. The best method for drying is to ventilate the area, ensuring even drying of the plaster.
- The plaster surface should be protected from wind to prevent rapid drying.

## Storage Conditions

- During storage, care should be taken to stack a maximum of 10 layers of Kraft bags.
- The bags should be stored in closed environments and away from direct sunlight.
- The bags should be stored in a way that prevents contact with the ground and protects them from moisture.
- Improper storage conditions or exceeding the shelf life can degrade the quality of the product.
- Under these conditions, the product can be stored for up to 12 months from the production date.

## About the Product

Appearance	White, powder
Shelf Life	See storage conditions
Packaging	In 25 kg polypropylene laminated bags

## Application Features

Maximum adjustment time	60 minutes
Troweling time	After 90-120 minutes
Steel trowel application	After 120-150 minutes
Application thickness	Minimum 8 mm - maximum 10 mm for ceilings, 10 - 20 mm for other facades (for a single coat)
Coverage	8,5 - 9 kg/m <sup>2</sup> (For 10 mm thickness)

## Performance Information

Flexural Strength	≥1N/mm <sup>2</sup>
Pressure Resistance	≥2N/mm <sup>2</sup>
Adhesion Strength	≥0,1N/mm <sup>2</sup>
Calcium Sulfate Percentage	≥ 50%
Initial Set Time	≥50 minutes
Thermal Resistance	≥0,34W(m/K)
Airborne Sound Insulation	NPD
Dry Surface Hardness	≥40SHORED
Fire Class	A1
Temperature Resistance	Between -30°C and +60°C

Note: The application properties have been obtained based on tests conducted in a laboratory environment (23 ± 2°C, 50 ± 5% humidity, and no air flow) and may vary under different environmental conditions. Performance information has been tested in environments specified by the relevant product standard, and results may differ in other conditions.

## Reference Standards

EN 13279-1/B4/50/2

CE



# LIGHT COAT



## Product Description

Plyset Light Coat plaster that can be applied by hand, with extended setting and working times, and enhanced thermal and acoustic insulation properties.

## Application Areas

Can be easily applied to surfaces such as brick, block, aerated concrete, concrete, and exposed concrete.

## Application Features

- Pot Life: 100-120 minutes
- Application thickness: min. 10 mm, max. 20 mm
- Setting time: 60-80 minutes
- It is a non-combustible building material.
- Does not produce bacteria or mold.

## Surface Preparation

- The surfaces to be applied must be free of dust, dirt, oil, and other residues that could prevent adhesion.
- If there are imperfections on the surface to be applied, they should be corrected with cement based repair mortar.
- Ensure that the surface is fully cured and solid.
- Metal surfaces must be protected against rust before application.
- For rough concrete, ceilings, and walls, a gritted bonding primer should be used.

## Conditions for Application

- Ambient temperature should be between +5°C and +30°C.
- It should not be applied on surfaces that are frozen, thawing, or at risk of freezing within 24 hours.
- It should not be applied under direct sunlight, strong winds, or on hot surfaces.
- Finished surfaces should not come into contact with water.

## Warnings and Recommendations

- The water/plaster ratio in the mixture should be carefully monitored. Failure to maintain this ratio can cause sagging, cracking, and reduced strength.
- Application should not be carried out in very hot, dry, or windy environments. Excessive heat can lead to sagging, cracking, and loss of strength.
- Storage conditions for the product should be observed. Products should not be stored in damp or very hot environments.
- The product should not be used if there are signs of caking inside the bag.
- As the product contains various chemical additives and plaster, inhalation of dust should be avoided. It should not come into contact with skin or eyes. In case of contact, rinse thoroughly with water. Protective clothing such as masks and gloves should be used during work.

## Application Tools

Paddle mixer, trowel, straightedge (screed), steel trowel

## Application Instructions

- The container for mixing must be clean and free from residues of previous mixtures.
- The water and materials used should be clean.
- The water used in the mixture must not be salty, acidic, or oily. Water temperature should be between 17 and 23°C.
- The mixture should be prepared with 5-5.5 liters of water per 10 kg of Light Coat.
- First, water is added to the container, and then Light Coat is sprinkled in.
- Allow approximately 2 minutes for the plaster to absorb the water.
- Mix thoroughly with a trowel or paddle mixer until the mixture reaches a homogeneous consistency.
- If using a mechanical mixer, it should be operated at low speed to prevent increased plaster consumption and premature setting issues.
- To prevent clumping, no additional water or plaster should be added after mixing.
- The surface to be applied must be dampened immediately before application.
- Use an aluminum screed to level the surface and remove excess plaster.
- Once the plaster has sufficiently set, use a steel trowel for finishing and to smooth out any surface irregularities.

- The application thickness should be at least 8 mm and at most 10 mm on ceilings, and 10-20 mm on other surfaces. If a second coat is needed, apply it before the first coat has fully set. Do not apply more than one coat on ceilings and more than two coats on other surfaces.
- No other products or materials should be mixed with Light Coat.
- The surface of Light Coat should be protected from wind to prevent rapid drying.

## Storage conditions

In a dry environment, a maximum of 18 bags can be stacked on top of each other. The bags should be stored off the ground and protected from moisture. Under these conditions, Light Coat should be used within 12 months from the production date. Inappropriate storage conditions or exceeding the usage period may affect the product's quality.

## About the Product

Appearance	White, powder
Shelf Life	See storage conditions
Packaging	In 25 kg polypropylene laminated bags

## Application Features

Application temperature	Between +5°C and +35°C
Mix ratio	5-5.5 Liters of water per 10 kg powder
Pot Life	100-120 minutes
Setting time	60-80 minutes
Application thickness	10 mm minimum - 20mm maximum
Coverage	7,5-8 kg/m <sup>2</sup> (For 10 mm thickness)

## Performance Information

Flexural Strength	≥1N/mm <sup>2</sup>
Pressure Resistance	≥2N/mm <sup>2</sup>
Adhesion Strength	≥0.1N/mm <sup>2</sup>
Calcium Sulfate Percentage	≥ 50%
Initial Set Time	≥20 minutes
Thermal Resistance	≤0.34W(m/K)
Airborne Sound Insulation	NPD
Dry Surface Hardness	>40 SHORED
Fire Class	A1
Temperature Resistance	Between -30°C and +60°C

Note: The application properties have been obtained based on tests conducted in a laboratory environment (23 ± 2°C, 50 ± 5% humidity, and no air flow) and may vary under different environmental conditions. Performance information has been tested in environments specified by the relevant product standard, and results may differ in other conditions.

## Reference Standards

EN 13279-1/B4/20/2  
CE







# construction chemicals



# SELF LEVELLING COMPOUND



## Product Description

Plyset self-levelling compound is a cement based, underlayment product.

## Application Areas

- Used indoors and in dry environments.
- Applied in residential buildings, hospitals, educational institutions, shopping centers, stores, and supermarkets.
- Used to level surfaces before installing ceramic, granite, marble, wood, parquet, laminate, carpet, and PVC coverings.
- Serves as a leveling underlayment before the final topcoat in all buildings with medium to high traffic interior floors.

## Application Features

- Self-levelling time of the mortar: 15 minutes
- Time required before opening to traffic: 8-24 hours
- Application thickness: For medium traffic: 1-10 mm; For high traffic: 3-10 mm

## Surface Preparation

- Surfaces where Self Levelling Compound will be applied should be free from residues that prevent adhesion, such as dust, dirt, and oil, through aspiration, sweeping, and other methods.

- If there are imperfections on the surface to be applied, they should be corrected with a cement based repair mortar.
- Ensure the surface is cured and solid.
- To enhance resistance to absorbency or smoothness, the surface should be primed with an universal primer.

## Conditions for Application

Ambient temperature should be between +5°C and +30°C.  
Do not apply on frozen, thawing, or surfaces at risk of freezing within 24 hours.  
Do not apply on heated floors that are currently hot.

## Warnings and Recommendations

No foreign substances should be added. Pay attention to the water-to-powder ratio. Deviations from this ratio can lead to cracking, settling, dusting, and reduced strength.  
After application, all tools should be washed with water before they dry.

## Application Tools

Paddle mixer, steel trowel, roller

## Application Instructions

- The container for preparing the mortar must be clean and free from residues of previous mixtures.
- Attention should be paid to the cleanliness of the water and materials used.
- The mortar should be prepared with 5-5.5 liters of water per 25 kg of Self Levelling Compound.
- Allow the prepared mortar to mature for 2-3 minutes, then stir again before use.
- Pour the fluid mortar onto the surface.
- Use a spiked roller to prevent air bubbles from forming, and make adjustments with a steel trowel if necessary to ensure even thickness and facilitate leveling.
- For large areas, continuous application is necessary to prevent cold joints. Prepare the material in multiple buckets to ensure a continuous pour, and complete the application by pouring sequentially onto the surface.
- The mixture should be used within approximately 30-35 minutes.

- Do not add any powder or water to mortar that has exceeded its pot life.
- Prevent the material from drying too quickly.
- Allow at least 3 days before covering the surface.
- Not suitable for outdoor or industrial applications.
- Not suitable for application on wet or moisture-exposed surfaces.

## Storage Conditions

- During storage, ensure a maximum of 10 layers of kraft bags are stacked on top of each other.
- Store in enclosed areas, away from direct sunlight.
- Bags should be stored in a manner that prevents contact with the ground and protects from moisture.
- Inadequate storage conditions or exceeding the shelf life can impair the quality of the product.
- Under these conditions, the product can be stored for up to 12 months from the production date

### About the Product

Appearance	Gray, powder
Shelf Life	See storage conditions
Packaging	In 25 kg Kraft bags 64 bags per pallet, totaling 1600 kg

### Application Features

Application temperature	Between +5 °C and +30°C
Mix ratio	5 - 5.5 Liters of water per 25 kg powder
Self-levelling time of the mortar	15 minutes
Time required before opening to traffic	8-24 hours
Application thickness; medium density foot traffic	1 - 10 mm
Application thickness; high density foot traffic	3-10 mm
Coverage	Approximately 1,6-1,8 kg/m <sup>2</sup> (For 1 mm thickness)

### Performance Information

Pressure Resistance	≥25 N/mm <sup>2</sup>
Flexural Strength	≥6 N/mm <sup>2</sup>
Capillary water absorption	≤0,1 kg/m <sup>2</sup> dk <sup>4</sup>
Bond Strength	≥1 N/mm <sup>2</sup>
Temperature Resistance	Between -30°C and +60°C

**Note:**The application properties have been obtained based on tests conducted in a laboratory environment (23 ± 2°C, 50 ± 5% humidity, and no air flow) and may vary under different environmental conditions. Performance information has been tested in environments specified by the relevant product standard, and results may differ in other conditions.

### Reference Standards

EN 13813 CT-C25-F6



# TILE - FILL



### Product Description

-Plyset Tile Fill is a cement-based joint filler mortar.

### Application Areas

-Used for filling joint gaps ranging from 0-6mm between ceramic tiles, tiles, natural stones, granite, marble, and similar cladding materials in both interior and exterior applications.  
-For excellent results in both horizontal and vertical applications in interior spaces.

### Application Features

-Maximum pot life: 1 hour  
-Setting time: 12 hours  
-Required time for opening to traffic: 24-48 hours  
-Available in 30 different color options

### Surface Preparation

-Surfaces where application will be made should be free of residues that could prevent adhesion, such as dust, dirt, oil, etc.  
-The surface to be worked on should not be too dry or prone to sweating.  
-When using highly absorbent cladding materials, joint gaps should be dampened with clean water during application in hot and windy conditions.  
-If the ambient temperature is too high, rapid water loss after application may cause shrinkage, roughness, and cracking.

### Conditions for Application

-Ambient temperature should be between +5°C and +35°C.  
-Should not be applied on frozen, thawing, or surfaces at risk of freezing within 24 hours.  
-Should not be applied under direct sunlight, strong wind, or on hot surfaces.

### Warnings and Recommendations

-No foreign substances should be added.  
-Expired or hardened mortar in the container should be discarded.  
-After application, all tools used should be washed with water before they dry.

### Application Tools

-Paddle mixer, trowel, rubber-edged trowel, sponge-edged trowel, smoothing tool (or screed), brush

### Application Instructions

-The container used for preparing the mortar must be clean and free of residues from previous mixtures.  
-Attention should be paid to the cleanliness of the water and materials used.  
-The mortar should be prepared by mixing 20 kg of Plyset Tile Fill material with 6.75-7.25 liters of water.

-First, water is poured into the container, and then the powder is slowly added while mixing until no lumps remain.  
-A low-speed mixer should be used to obtain a homogeneous mixture.  
-After obtaining a homogeneous mixture, let it rest for 4-5 minutes. Before starting the application, mix again for 1-2 minutes.  
-Once a homogeneous mixture is achieved, no additional powder, water, or other substances should be added.  
-Spread the prepared mortar onto the surface using a rubber trowel or spatula, first in parallel and then in crosswise motions to thoroughly fill the joint gaps.  
-As soon as the grout starts to dry on the surface, it should be cleaned with a damp sponge using circular motions.  
-Once the surface has dried, it should be completely cleaned with a dry cloth.  
-Finally polish the surface with a cloth.  
-The prepared mortar should be used within 1 hour. Mortar that has exceeded its working time or has formed a crust in the container should be discarded.  
-After application, hands and tools should be washed thoroughly with plenty of water.  
-The application area should be left for a minimum of 24-48 hours before it is put into use.

### Storage Conditions

-During storage, a maximum of 10 layers of Kraft bags should be stacked.  
-Storage should be done in enclosed areas and away from direct sunlight.  
-Bags should be stored in a way that prevents contact with the ground and protects them from moisture.  
-Improper storage conditions or exceeding the shelf life may degrade the product's qualities.  
-Under these conditions, the product can be stored for up to 12 months from the production date.

About the Product	
Appearance	30 colors, powder
Shelf life	See the conditions_ chemicals catalog for the grout color chart. See storage conditions
Packaging	In 20 kg kraft bags, 64 units per pallet, totaling 1280 kg per pallet

Application Features	
Application temperature	Between +5°C and +35°C
Mix ratio	6,75-7,25 liters of water per 20 kg powder
Setting Time	12 hours
Required time for opening to traffic	24-48 hours
Coverage	See Grout Mortar Coverage Table

Performance Information	
Abrasion Resistance	≤1000mm <sup>2</sup>
Flexural Strength after Dry Storage	≥2,5 N/mm <sup>2</sup>
Flexural Strength after Freeze-Thaw Cycling	≥2,5 N/mm <sup>2</sup>
Compressive Strength after Dry Storage	≥15 N/mm <sup>2</sup>
Compressive Strength after Freeze-Thaw Cycling	≥15 N/mm <sup>2</sup>
Shrinkage	≤3 mm/m
Water Absorption	After 30 minutes: ≤2 g
Water Absorption	After 240 minutes: ≤5 g
Temperature Resistance	Between -30°C and +60°C

Note: The application properties have been obtained based on tests conducted in a laboratory environment (23 ± 2°C, 50 ± 5% humidity, and no air flow) and may vary under different environmental conditions. Performance information has been tested in environments specified by the relevant product standard, and results may differ in other conditions.

Reference Standards	
EN 13888-1/Class: CG2WA (Cement-based, silicone-added, highly water-repellent, and highly wear-resistant grout)	
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# THERMO COAT



**Product Description**

-Plyset Thermo Coat is a cement based surface plaster for thermal insulation boards.

**Application Areas**

Used on polystyrene boards (XPS, EPS, and Rockwool) in all types of buildings. Thanks to polypropylene fibers, it provides high performance against stresses that may occur on wall surfaces at risk of cracking.

**Application Features**

Pot life: Max. 90 minutes  
 Workability Time: Max. 20-30 minutes  
 Application Thickness: 4 mm  
 Maximum Coat Thickness: Max. 2 mm  
 Waiting Time Between Coats: Min. 3-4 hours  
 Waiting Time for Final Coat Application: 7 days

**Surface Preparation**

-Surfaces to be applied with Thermo Coat should be free from dust, dirt, grease, and other residues that could prevent adhesion.  
 -If there are defects on the surface, they should be repaired with cement based repair mortar.

-Ensure that the surface is cured and in good condition.  
 -Porous surfaces should be dampened before application.  
 -The surface should be solid, load-bearing, and level.

**Conditions For Application**

-The application temperature should be between +5°C and +35°C.  
 -Do not apply on frozen surfaces, surfaces thawing, or those with a risk of freezing within 24 hours.  
 -Do not apply under direct sunlight, strong wind, or on hot surfaces.

**Warnings and Recommendations**

- No foreign materials should be added.  
 -After application, all tools used should be washed with water before they dry.

**Application Tools**

Paddle Mixer, Steel trowel, Reinforcement Mesh

**Application Instructions**

-The container for preparing the mixture should be clean and free from residues of previous mixes.  
 -The cleanliness of the water and materials used should be ensured

-The mix should be prepared with 5,5-6 liters of water and 25 kg of Thermo Coat.  
 -Water should be added to the container first, and then the powder should be gradually sprinkled in. Mix until a homogeneous mixture is obtained.  
 -A low-speed mixer should be used to obtain a homogeneous mixture.  
 -After obtaining a homogeneous mixture, let it rest for 5-10 minutes to mature.  
 -Before starting the application, mix again for 1-2 minutes.  
 -Once the mixture is homogeneous, do not add any powder, water, or other substances.  
 -The mortar is applied evenly on the insulation boards using a trowel.  
 -The plaster reinforcement mesh (fibermesh) is embedded into the plaster by gently pressing it with the trowel before the mortar sets.  
 -The plaster mesh should overlap by approximately 10 cm at the joints.  
 -After the first coat of plaster has slightly set, apply the second coat before it dries.  
 -After applying the second coat, the surface is finished with a trowel.

-The prepared mortar should be used within 3 hours.  
 -Mortar that has exceeded its pot life or has formed a film should be discarded.  
 -After application, hands and tools should be washed thoroughly with water.  
 -Any finishing can be applied once the surface has fully cured.

**Storage Conditions**

-During storage, care should be taken to stack a maximum of 10 layers of Kraft bags.  
 -Storage should be in enclosed areas and away from direct sunlight.  
 -Bags should be stored in a way that prevents contact with the ground and protects them from moisture.  
 -Improper storage conditions or exceeding the shelf life may compromise the product's quality.  
 -Under these conditions, the product can be stored for up to 12 months from the date of manufacture

About the Product	
Appearance	Gray Powder
Shelf Life	See storage conditions
Packaging	In 25 kg Kraft bags 64 bags per pallet, totaling 1600 kg
Application Features	
Application temperature	Between +5°C and +35°C
Mix ratio	5,5-6Liters of water per 25 kg powder
Pot Life	90minutes maximum
Workability Time	20-30 minutes
Application thickness	4 mm maximum
Maximum coat thickness	2 mm maximum
Waiting time between coats	3-4 hours
Waiting time to apply the final coat	7 days
Coverage	Approximately 3-3,5kg/m2
Performance Information	
Bulk Density of Fresh Mortar	±1150 kg/m³
Bulk Density of Hardened Cement-Based Render	1450±250 kg/m³
Sieve analysis: Amount retained on a 1 mm aperture sieve	±%1,0
Thermal Conductivity	Table 2T1-0,54W/mK(P=%90)
Flexural Strength	±2 N/mm²
Pressure Resistance	±6 N/mm²
Adhesion Strength to Thermal Insulation Board	±0,08 N/mm²
Capillary Water Absorption Coefficient	±0,5 kg/m².dk <sup>1/2</sup>
Water Vapor Permeability Coefficient	±15
Fire Class	A1
Temperature Resistance	Between -30°C and +60°C

**Note:**The application properties have been obtained based on tests conducted in a laboratory environment (23 ± 2°C, 50 ± 5% humidity, and no air flow) and may vary under different environmental conditions. Performance information has been tested in environments specified by the relevant product standard, and results may differ in other conditions.

**Reference Standards**  
 EN 998-1  
 CE Mark



# THERMO BOND



**Product Description**

-Plyset Thermo Bond is a cement based adhesive mortar for thermal insulation boards.

**Application Areas**

-Used for adhering polystyrene boards (XPS, EPS, and Rockwool) in all types of buildings and insulation applications.

**Application Features**

-Maximum pot life: 2 hours  
 -Maximum working time: 10-15 minutes  
 -Time required before plaster can be applied over the adhered insulation board: 2 days

**Surface Preparation**

-Surfaces to be applied with Plyset Thermo Bond must be free from dust, dirt, oil, and other residues that could prevent adhesion.  
 -If there are imperfections on the surface, they should be repaired with cement based repair mortar.  
 -Ensure the surface is cured and solid.  
 -Porous surfaces should be dampened before application.  
 -The surface should be a solid carrier and level.

**Conditions for Application**

-Ambient temperature should be between +5°C and +35°C.  
 -Do not apply on frozen, thawing, or surfaces at risk of freezing within 24 hours.  
 -Do not apply in direct sunlight, strong wind, or on hot surfaces.

**Warnings and Recommendations**

-No foreign substances should be added.  
 -After application, all tools should be washed with water before they dry.  
 -Do not apply in areas with low strength and poor adhesion.

**Application Tools**

-Electric mixer, steel trowel, notched trowel.

**Application Instructions**

-The container for preparing the mortar must be clean and free from residues of previous mixtures.  
 -Ensure that the water and materials used are clean.  
 -The mortar should be prepared with 5.5-6 liters of water for 25 kg of Plyset Thermo Bond.  
 -Add water to the container first, then gradually add the powder. Mix until a homogeneous mixture is obtained.

-A low-speed mixer should be used to ensure a homogeneous mixture.  
 -After obtaining a homogeneous mixture, allow the mortar to mature for 5-10 minutes.  
 -Stir the mixture again for 1-2 minutes before starting application.  
 -Once the mixture is homogeneous, no additional powder or water should be added.  
 The method to apply Plyset Thermo Bond is determined according to how level the surface is. If the surface is level, the back of the board should be combed; if it is not level, the mortar should be applied using the dot and dab method.  
 -During the application, the level of the boards should be checked with a straightedge or spirit level.  
 -The prepared mortar should be used within 3 hours.  
 -Mortar that has exceeded its pot life or has formed a film should be discarded.  
 -After application, hands and tools should be washed with plenty of water.  
 -Depending on ambient temperature and surface characteristics, mechanical anchoring should be performed at least 24 hours after application.

**Storage Conditions**

-During storage, care should be taken to stack a maximum of 10 layers of Kraft bags on top of each other.  
 -Storage should be in enclosed areas, away from direct sunlight.  
 -Bags should be stored in a way that they do not come into contact with the ground and are protected from moisture.  
 -Inappropriate storage conditions or exceeding the shelf life may impair the product's properties.  
 -Under these conditions, the product can be stored for up to 12 months from the production date

About the Product	
Appearance	Gray, powder
Shelf life	See storage conditions
Packaging	In 25 kg Kraft bags, 64 units per pallet, totaling 1600 kg

Application Features	
Application temperature	Between +5°C and +35°C
Mix Ratio	5.5-6 liters of water per 25 kg powder
Pot life	maximum 2 hours
Working time	50 minutes
Minimum adjustment time (on floor)	30 minutes
The required time for applying plaster over the adhered insulation board	2 days
Coverage	About 3to 5 kg/m2

Performance Information	
The bulk density of fresh mortar in its voided unit volume	≥1000 kg/m <sup>3</sup>
Sieve analysis: Amount retained on a 1 mm aperture sieve	≤1,0
Flexural strength	≥2 N/mm <sup>2</sup>
Pressure Resistance	≥6 N/mm <sup>2</sup>
Adhesion strength to insulation board	≥0,08 N/mm <sup>2</sup>
Water Absorption in	30 minutes ≤5 g
Water Absorption in	240 minutes ≤10 g
Adhesion strength to the substrate	>0,5 N/mm <sup>2</sup>
Fire Class	A1
Temperature Resistance	Between -30°C and +60°C

**Note:** The application properties have been obtained based on tests conducted in a laboratory environment (23 ± 2°C, 50 ± 5% humidity, and no air flow) and may vary under different environmental conditions. Performance information has been tested in environments specified by the relevant product standard, and results may differ in other conditions

Reference Standards	
EN 998-1	
CE	



# TILE - FIX FLEX



### Product Description

-Plyset Tile-Fix Flex is a single component, cement-based, high-performance, flexible, slipresistant, and long-working time adhesive mortar.

### Application Areas

- Used for securely adhering ceramic, granite, marble, and other cladding materials to surfaces such as concrete, plaster, and screed on building facades.
- Suitable for use in underfloor heating systems and on plasterboard, as well as for cladding over old granite or marble.
- Can be used for ceramic applications on challenging surfaces like painted areas.
- Suitable for terraces and balcony applications, as well as in environments with sudden temperature changes such as cold storage facilities, shock-freezing plants, exterior facades of kilns, and underfloor heating systems.
- Also used in high-traffic areas such as workplaces, shopping centers, schools, and hospitals

### Application Features

- Maximum pot life: 5 hours
- Maximum working time: 30 minutes
- Maximum adjustment time: 20 minutes
- Required time before grouting: 24 hours for walls, 48 hours for floors

### Surface Preparation

- Surfaces to which Tile -Fix Flex will be applied must be free of dust, dirt, grease, or other residues that could prevent adhesion.
- If there are imperfections or defects on the surface to be applied, they should be corrected with cement based repair mortar.
- Ensure that the surface is fully cured and sound.
- Porous surfaces should be dampened before application.
- The surface should be stable and level.

### Conditions for Application

- Ambient temperature should be between +5°C and +35°C.
- Do not apply on surfaces that are frozen, thawing, or at risk of freezing within 24 hours.
- Do not apply in direct sunlight, strong winds, or on hot surfaces.
- During application, ensure that Tile -Fix Flex does not form a film on the surface; if a film forms, re-troweling should be performed.

### Warnings and Recommendations

- No foreign substances should be added.
- After application, all tools used should be washed with water before they dry.

### Application Tools

- Paddle mixer, trowel, rubber mallet, notched steel trowel.

### Application Instructions

- The container for preparing the mortar must be clean and free of residues from previous mixtures.
- Ensure that the water and materials used are clean.
- The mortar should be prepared with 8.75-9.25 liters of water for 25 kg of Tile -Fix Flex.
- First, add the liquid component to the container, then gradually sprinkle in the powder, and mix until a homogeneous mixture is obtained.
- Use a low-speed mixer to ensure a homogeneous mixture.
- After obtaining a homogeneous mixture, let the mortar mature for 5-10 minutes.
- Before starting application, remix for 1-2 minutes.
- Once the mixture is homogeneous, do not add any more powder, water, or other substances.
- For better adhesion, spread the mortar with the flat side of the trowel and then comb with the notched side of the trowel appropriate for the tile size (see Trowel Size and Coverage Chart).

- Tiles should be applied to the trowelled mortar within 30 minutes, using a rubber mallet to press them into place. In conditions of high temperature, low humidity, or wind, this time may be shorter.
- Do not apply tiles to mortar that has exceeded its working time; remove the mortar from the surface.
- The prepared mortar should be used within 5 hours.
- Discard any mortar that has expired or has formed a skin in the container.
- After application, wash hands and tools with plenty of water.
- Avoid direct water contact with tiles adhered with Tile -Fix Flex for at least 24 hours.

### Storage Conditions

- During storage, ensure that a maximum of 10 layers of Kraft bags are stacked on top of each other.
- Store in enclosed areas away from direct sunlight.
- Bags should be stored in a way that prevents contact with the ground and protects them from moisture.
- Under these conditions, the product can be stored for 12 months from the date of manufacture.
- It can be stored for 12 months between +5°C and +35°C.
- Improper storage conditions or exceeding the shelf life may compromise the product's quality.

About the Product	
Appearance	Gray-white, powder
Shelf life	See storage conditions
Packaging	In 25 kg Kraft bags
Application Features	
Application temperature	Between +5°C and +35°C
Mix Ratio	8.75-9.25 litres of water per 25 kg powder
Maximum pot life	5 hours maximum
Minimum working time (on floor)	30 minutes
Minimum adjustment time (on floor)	15 minutes
Time to set into service (opening to traffic)	24 hours for walls, 48 hours for floors
Coverage	See trowel size and coverage charts
Performance Information	
Open Exposure Pull-off Strength (30minutes)	≥0.5 N/mm <sup>2</sup>
Initial Pull-off Adhesion Strength	≥1 N/mm <sup>2</sup>
Pull-off Adhesion Strength After Water Immersion	≥1 N/mm <sup>2</sup>
Pull-off Adhesion Strength After Heat Aging	≥1 N/mm <sup>2</sup>
Pull-off Adhesion Strength After Freeze-Thaw Cycles	≥1 N/mm <sup>2</sup>
Shear strength	≥0.5mm
Elasticity	≥2.5 mm
Temperature Resistance	Between -30 °C and +60°C
<b>Note:</b> The application characteristics have been determined through testing conducted in laboratory conditions (23 ± 2°C and 50 ± 5% humidity, with no air movement). Performance data are based on tests conducted in the environments specified by the relevant standard and may vary under different conditions.	
Reference Standards	
EN 12004-1 Class C2TES1 Cement-based, high-performance, slip-resistant, extended open time, flexible adhesive mortar CE	



# TILE - FIX



### Product Description

-Plyset Tile - Fix is a high-performance, cement based adhesive mortar with reduced slip and extended working time.

### Application Areas

-Used for application of large-sized ceramic, porcelain, cotto, and klinker tiles on horizontal and vertical surfaces such as concrete, plaster, and screed in both indoor and outdoor environments.  
-Applicable on floors with water-based underfloor heating systems.  
-Ideal for areas with heavy and intensive traffic, such as shopping centers, hospitals, and schools.

### Application Features

-Maximum pot life 5 hours  
-Minimum working time: 30 minutes  
-Maximum adjustment time: 15 minutes  
-Required time before grouting: 24 hours for walls, 48 hours for floors

### Surface Preparation

-Ensure that surfaces for Plyset Tile - Fix application are free from dust, dirt, oil, and other contaminants that could affect adhesion.

-Any imperfections on the surface should be corrected with cement based repair mortar.  
-The surface must be fully cured and solid.  
-If the surface is porous, it should be dampened.  
-Ensure that the surface is stable, loadbearing, and level.

### Conditions for Application

-The ambient temperature should be between +5°C and +35°C.  
-Do not apply on frozen, thawing, or surfaces with a risk of freezing within 24 hours.  
-Avoid application under direct sunlight, strong winds, or on hot surfaces.  
-During application, ensure that Plyset Tile - Fix does not form a film on the surface. If a film forms, re-troweling is required.

### Warnings and Recommendations

-No foreign substances should be added.  
-After application, all tools used should be washed with water before they dry.

### Application Tools

Paddle mixer, trowel, rubber mallet, notched steel trowel

### Application Instructions

-The container used to prepare the mortar should be clean and free from residues of previous mixtures.  
-Ensure that the water and materials used are clean.  
-Prepare the mortar with 7.5-8.5 liters of water per 25 kg of Plyset Tile - Fix.  
-Add water to the container first, then gradually sprinkle in the powder, and mix until a homogeneous mixture is obtained.  
-Use a low-speed mixer to obtain a homogeneous mixture.  
-After obtaining a homogeneous mixture, let the mortar mature for 5-10 minutes.  
-Stir the mixture again for 1-2 minutes before starting the application.  
-Once the mixture is homogeneous, do not add any more powder, water, or other substances.  
-For better adhesion, spread the mortar over the surface with the flat side of the trowel and then comb it with the notched side of the trowel suitable for the tile size (see Trowel Size and Coverage Table).  
-Tiles should be applied onto the combed mortar with a rubber mallet within 30 minutes. This time may be shorter under unfavorable conditions such as high temperatures, low humidity, or wind.

-Do not apply tiles over mortar that has exceeded its working time; scrape off the mortar from the surface.  
-The prepared mortar should be used within 5 hours.  
-Dispose of mortar that has exceeded its pot life or has formed a crust.  
-After application, wash hands and tools thoroughly with water.  
-Avoid direct water contact with tiles adhered with Plyset Tile - Fix for at least 24 hours.

### Storage Conditions

-During storage, ensure that a maximum of 10 layers of kraft bags are stacked.  
-Store in enclosed areas away from direct sunlight.  
-The bags should be stored in a way that prevents them from contacting the floor and protects them from moisture.  
-Improper storage conditions or exceeding the shelf life may impair the product's quality.  
-Under these conditions, the product can be stored for up to 12 months from the production date.

About the Product	
Appearance	Gray-white, powder
Shelf life	See storage conditions
Packaging	In 25 kg kraft bags 64 units per pallet, totaling 1600 kg

Application Features	
Application temperature	Between +5°C and +35°C
Mix Ratio	7.5 - 8.5 liters of water per 25 kg of powder
Maximum pot life	5 hours
Minimum working time (on floor)	30 minutes
Minimum adjustment time (on floor)	15 minutes
Time to set into service (opening to traffic)	24 hours for walls, 48 hours for floors
Coverage	See trowel size and coverage charts

Performance Information	
Open Exposure Pull-off Strength (30minutes)	≥0.5 N/mm <sup>2</sup>
Initial Pull-off Adhesion Strength	≥1 N/mm <sup>2</sup>
Pull-off Adhesion Strength After Water Immersion	≥1 N/mm <sup>2</sup>
Pull-off Adhesion Strength After Heat Aging	≥1 N/mm <sup>2</sup>
Pull-off Adhesion Strength After Freeze-Thaw Cycles	≥1 N/mm <sup>2</sup>
Shear strength	≥0.5mm
Temperature Resistance	Between -30 °C and +60°C

Note: The application characteristics have been determined through testing conducted in laboratory conditions (23 ± 2°C and 50 ± 5% humidity, with no air movement). Performance data are based on tests conducted in the environments specified by the relevant standard and may vary under different conditions.

Reference Standards	
EN 12004-1 Class:C2TE (High-performance, slip-resistant, extended working time, cement-based ceramic adhesive mortar.)	
CE	





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