

S-312

One Coat Monocouche Grey Render

Properties - Description

S-312 is a grey cement based dry-mixed one-layer mortar with appropriate dried limestone sand granulation and special organic admixtures. Requires only the addition of water.

It is characterized by:

- One coat for fast application and short programme periods
- Stable quality
- Suitable for internal & external use
- Excellent adhesion with the substrate
- High workability, smooth application, speed, economy and shelf-life. Highly efficient spray application, with low wear on spray machines.

- Excellent surface finish for weather resistance and durability

It is certified with CE marking, according to EN 998-1, as a Monocouche (one coat) grey render for internal & external use.

Technical data

Form:	Cementitious powder
Color:	Grey
Particle size:	Up to 1,4 mm
Water demand:	7.5 lt/sack 40 Kg
Bulk density of dry mortar:	1.6±0.10 Kg/Lt
Bulk density of fresh mortar:	1.80±0.05Kg/Lt
Compressive strength:	Class CS III N/mm ²
Bond strength as initial tensile adhesion strength:	0,3 - FP B
Water absorption:	W0
Thermal conductivity ($\lambda_{10,dry}$):	0,43W/MK
Pot life:	2 h at 20° C
Reaction to fire:	Euroclass A1

Fields of application

Σ-312 is applied internally & externally as a one coat render. Substrates must have a good mechanical key suitable for rendering. It can also be used as a primal render (when we apply 3 layers) with screw pumps.

Consumption

Indicative consumption 15kg/m² at 10 mm nominal thickness.

Directions for use

To prepare fresh render mix the content of the sack with clean water until the proper workability is obtained. It is designed for spray application and can be applied up to 25mm of thickness.

Manual application is also possible.

After it has sufficiently set, the render can be smoothed over with a finishing trowel.

Working time depends on the substrate absorptivity, ambient temperature and mixture workability.

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Shelf life-Storage


When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

Packaging

Available in 30 kg sacks (1,44 tons/ pallet) & big bags (1,4 tons)

Remarks

- Mixing time should not be extended in order not to alter the properties of the material.
- Restrictions on weather conditions during application and curing must be respected. Avoid usage under frost or heat.
- Excessive water addition reduces strength with the possibility of causing cracks and crazing.
- The fresh mortar should be used within 30 minutes from adding water.
- The product contains cement and reacts as alkaline with water, so it is classified as irritant. In case of contact with the eyes the area should be washed without delay with plenty of water.
- The quality of application of this material depends on suitable operative skills and product familiarity.

			
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EN 998-1			
S-312 One Coat Monocouche Grey Render (it is applied after the base (scratch) P-220 coat render or a coating preparation for plastering surfaces)			
DoP: INTERMIX No 8			
Compressive strength	Class CS III	minimum value	N\mm ²
Reaction to fire	Euroclass A1		
Water absorption	W 0	maximum value	kg/m ² x min ^{-1/2}
Water vapour permeability	μ=5/20	(based on density)	
Thermal conductivity (λ_{10,dry})	0,43	maximum value	W/mK
Bond strength as initial tensile adhesion strength	0,3 N\mm ² - FP B		
Durability against freeze/thaw	NPD		