

P-220

Factory batched, dry powder, cement-based mortar for use as a render undercoat (scratch coat).

Properties - Description

P-220 is a cement based mortar, with appropriate dried limestone sand granulation and proprietary organic admixtures. Requires only the addition of water.

It is characterized by:

- Excellent adhesion to the substrate
- Rough surface undercoat, for maximum adhesion with the following plaster layer. Gives improved bond on low porosity substrates, eg. dense concrete or cut stone
- Stable quality and high strength
- High workability, smooth application, speed, economy and shelf-life.
- A maximum grain of 2mm for low wear on plaster spraying pump rotor-stator.
- Suitable for internal & external use

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

Technical data

Form:	Cementitious powder
Color:	Grey
Particle size:	Up to 2 mm
Water demand:	6,5lt/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 IV N/mm ²
Bond strength as initial tensile adhesion strength:	0,5 - FP B
Water absorption:	W0
Thermal conductivity ($\lambda_{10,dry}$):	0,49W/MK
Pot life:	2 h at 20° C
Reaction to fire:	Euroclass A1

Fields of application

P-220 is applied internally & externally as a render undercoat (scratch coat) on surfaces such as concrete, bricks, concrete blocks etc.

Consumption

Indicative consumption 16kg/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. 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 40 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 and can cause cracking and flaking.
- 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 998-1:2016			
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DoP: INTERMIX No 7			
Compressive strength	Class CS IV	minimum value	N\mm ²
Reaction to fire	Euroclass A1		
Water absorption	W 0	maximum value	kg/m ² x min-½
Water vapour permeability	μ=15/35	(based on density)	
Thermal conductivity (λ_{10,dry})	0,49	maximum value	W/mK
Bond strength as initial tensile adhesion strength	0,5 N\mm ² - FP B		
Durability against freeze/thaw	NPD		