



ARDEX P 20

Powder Primer

- High Bonding Strength: enhances the bonding strength between screed/render and substrate, the bonding strength could achieve more than 1MPa
- Internal and external: excellent water, heat ageing, freezing thaw and alkaline resistance
- Easy to apply: could be applied by trowel, roller or other tools, long open time
- Immediate subsequent installation: screed/render could be applied right after priming



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Powder Primer

DESCRIPTION

ARDEX P 20 Powder Primer consists by special cement, selective filler, super polymer and special additives. Suitable for priming of absorbent substrate to enhance the bonding strength between screed/render to the substrate.

USE OF APPLICATIONS

ARDEX P 20 Powder Primer could be used for interior or exterior, dry or wet area with absorbent substrate. Please make sure the substrate is fully cured and free from contaminations affecting bonding.

TO (Substrates)

Concrete, cement render/screed, cement fiber board and other firm absorbent substrates.

For other substrates, please consult ARDEX.

LIMITATION

ARDEX P 20 Powder Primer cannot be used for dense substrates.

SUBSTRATE PREPARATION

The surface being applied to must be clean, firm and free of dust, oil, grease, curing compounds, release agents and other barrier materials.

Ensure that the background has adequate drying time, allow concrete to cure for at least 6 weeks and cement sand render and screeds at least 14 days prior to applying.

ARDEX P 20 could be applied on dry or wet substrate, but wetting the surface in very hot temperature before applying P 20 is recommended.

MIXING

Add the powder to clear water in a clean container whilst stirring and mixed thoroughly to give a lump free easily worked slurry.

Allow to stand for 3–5 minutes, restir the mixture thoroughly again and the slurry is ready for use.

MIXING RATIO

Approx. 10 liters of water is needed to mix 25kg ARDEX P 20. The mixed slurry should be applied immediately. The working time is about 30 min at 23° C.

NOTE

Appropriate amount of material should be mixed according to size of construction during working time. The working time will be retarded at lower temperatures and accelerated at high. If the temperature of the substrate is higher than 35° C, wetting to cool the substrate beforehand is recommended.

APPLICATION

The mixed ARDEX P 20 should be applied on the whole area with roller immediately. Make sure the application thickness of every wet film is more than 1.0mm.

The pot life of ARDEX P 20 is about 120min and the mixed material should be used within the time period.

In order to get better bonding strength, wet on wet for the subsequent application is recommended.

ARDEX P 20 could work for ARDEX tile adhesives, renders/screeds, etc.

Please clean the tools with water right after the work.

COVERAGE

The coverage will vary depending on substrate condition.

A bag of 25kg ARDEX P 20 could be used for about 15m² area.

PACKAGE

ARDEX P 20 is packed in paper sacks incorporation a polyethylene liner - net weight 25kg

STORAGE

Approx 12 months when stored in the original unopened packaging in dry, clean, shady and cool place without ventilation.

TECHNICAL DATA

Mortar Density	approx. 1.82kg/L
Working time	approx. 30min
Pot life	approx. 120min
Bonding strength	
1day	>0.5MPa
7day	>0.8MPa
28day	>1.0MPa

SAFETY DATA

ARDEX P 20 is considered non-hazardous in normal usage. However, by containing Portland cement, quartz sand and other alkaline reacted materials, skin irritation may be caused for long term contact. Avoid breathing in powder. Avoid contact of skin and eye. Wear appropriate protection gear such as face mask, gloves, and safety glasses. In case of skin and eye contact, wash thoroughly with water, also consult a doctor. For the case of powder breathing in, move to place with good ventilation, wash mouth properly, consult a doctor for any uncomfort. This product is safe for health and environment.

For further safety & handling information, please consult the Material Safety Data Sheet (MSDS).

The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

Regional specific recommendations, standards, codes of practice, building regulations or industry guidelines may affect specific installation recommendations.