





-  PRIMERS AND ADHESION PROMOTERS
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-  GRUNTY I PRIMERY



SOLID

Primer for damp surfaces

Description

SOLID is a primer for damp surfaces provided within a KIT composed by:

- SOLID component A: a mixture of water-based epoxy prepolymers, fillers and additives;
- SOLID component B: copolymer modified amine;
- SOLID FAST: reaction accelerator;
- QUARTZ SAND 0.1 to 0.6: quartz dust;
- EXTRUDER for the extraction of the product from packaging bags.

The kit comes inside a polypropylene drum which serves a double function, i.e.: system mixing container and both transport and storage package.

When the two components A and B are mixed together, they form a thick, liquid compound specifically designed for roller application on building surfaces of various nature.

In the case in which the operating temperature should be lower than +12°C, SOLID FAST shall be added into the mixture (A+B) to accelerate the product crosslinking so as to make it usable up to a minimum temperature of +4°C.

Where to Use

SOLID locks in the moisture in the substrates on which it is applied.

SOLID is recommended whenever a coating should be laid onto surfaces with a moisture content higher than that permitted by the state of the art.

SOLID is used on:

- sand and cement screeds (having either the consistency of moist soil or self-leveling);
- industrial or cast consistency moist soil ;
- diamond polished tiles of any kind and nature;
- polished natural stone;
- Venetian floors or polished tiles;

Furthermore, SOLID can also be used on surfaces that are not affected by moisture problems, but only to create optimum "hooking" conditions on the surface for subsequent treatments, such as:

- aluminum and galvanized steel;
- wood of all kinds;
- panels and insulators of all kinds (polystyrene EPS and XPS, plasterboard, etc..).

Application

Substrate Preparation

- screeds and concrete must have a cohesive bearing surface and a tear strength greater than 1 MPa;
- remove from the surface all substances that may impair adhesion;
- tiles and natural stone must be diamond polished and free of dust;
- polished floors should be cleaned with products specifically designed to remove waxes and protective agents, if present and preferably mechanically roughened;

Product Preparation

- both room temperature and the substrate temperature must be greater than or equal to +4°C;
- extrude into the bucket that came with the kit the component A and component B with the appropriate EXTRUDER, following the instructions given in the kit;
- mix with a mechanical mixer at low speed;
- measure the operating temperature: if less than +12°C add SOLID FAST (reaction accelerator) and mix again;
- during application respect the pot-life data shown in Table 1:



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Table 1

compound	pot-life [minutes]
SOLID (A+B)	60
SOLID (A+B) + SOLID FAST	25

Product Application

- spread over the surface with a short haired roller (coverage: 300 g/m²);
- fresh on fresh after coating 4÷5 m² of the substrate, slightly broadcast with QUARTZ SAND 0.1-0.6 that comes with the KIT (coverage: 0.8 kg/m²);

To proceed with the application of subsequent layers wait for the crosslinking of the product using the times shown in Table 2:

Table 2

Application Temperature	compound	usable / sandable after
+35°C	SOLID (A+B)	2 hours
+20°C	SOLID (A+B)	5 hours
+12°C	SOLID (A+B)	7 hours
+12°C	SOLID (A+B) + SOLID FAST	4 hours
+7°C	SOLID (A+B) + SOLID FAST	6 hours
+7°C	SOLID* (A+B) + SOLID FAST + 2% water	6 hours
+4°C	SOLID (A+B) + SOLID FAST	12 hours
+4°C	SOLID* (A+B) + SOLID FAST + 2% water	12 hours

*: If applied at a low temperature (less than +12 ° C), the mixture becomes more viscous: only in this case it is allowed to add 2% of water (on A + B).

Cleaning the tools:

- if the product is still fresh: with water;
- after the product has dried: clean by mechanical means.

Consumption:

- approx. 300 g/m² (A+B)
- approx. 0.8 kg/m² of QUARTZ SAND 0.1 to 0, 6 for broadcasting
- 120 g of SOLID FAST SOLID for each kg of SOLID (A+B).

Warnings and Special Instructions

- This product is not capable of counteracting the movements of the substrate that occur in the form of cracks due to shrinkage or bending: the cracks, however, are not important for the purposes of locking in the moisture which is guaranteed.
- In the case of high porosity screeds, outside the norm, you can use SOLID as pore filler by mixing quartz sand into the product and spreading it with a spatula.
- In this specific case, after the first coat has hardened, the second coat can be properly applied.

Specifications

Appearance	comp. A comp. B SOLID FAST	-	viscous liquid viscous liquid dust
Colour	comp. A comp. B SOLID FAST	-	white black grey
Bulk mass (A + B), ISO 2811-1		kg/l	1.16 ± 0.02
Adhesion to concrete, EN 1542, on A + B (cohesive failure cls)		MPa	3.0



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Application Temperature	°C	+4 to +35°C
Vapor permeability SOLID (A+B+ broadcasting), DIN 52615	μ	2900 ± 300
Impermeability to water (internal method) under 15 cm Hydrostatic Head (HH) of water in counterthrust	-	Waterproof
Shore D hardness (after 7 days at 23°C), DIN 53505	°	70 ± 3
pot-life (A+B), at +25°C	min	60
pot-life (A+B+ SOLID FAST) at +25°C	min	25
crosslinking ratio of A:B	-	2.5 : 1.0

Note: testing methods are in accordance with the standards referred to on the table.

Packaging and storage

Packaging	KIT for 6 sqm, comes with:	1 x SOLID (A) 1.30 kg 1 x SOLID (B) 0.52 kg 1 x SOLID FAST 0.22 kg QUARTZ SAND 5.3 kg
	KIT for 18 sqm, comes with:	2 x SOLID (A) 1.395 kg 2 x SOLID (B) 0.78 kg FAST SOLID 2 x 0.33 kg QUARTZ SAND kg 16
Storage	24 months in its closed original container, in a dry place at temperatures between +5 and +35 ° C. The product is sensitive to frost.	

Legal notice

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