





-  PRIMERS AND ADHESION PROMOTERS
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RICRETE 1C

Super-adhesion primer for polished surfaces

Description

RICRETE-1C is a ready to use mono component primer based on hybrid resins in water dispersion. RICRETE 1C forms by rapidly curing a water resistant, rugged, compact film highly adhesive on shiny and non-absorbent, compact smooth substrates.

Direction for Use

RICRETE 1C is used as an adhesion primer before applying either self-leveling or skim coat mortars with cementitious adhesives on glossy and non-absorbent substrates such as:

- glazed ceramic coatings
- stone coatings
- PVC
- linoleum
- resin coatings (water or solvent based)

RICRETE 1C can also be used as an adhesion primer on concrete and on non-absorbent and moisture-sensitive substrates, such as:

- wood
- gypsum
- anhydrite.

RICRETE-1C is suitable for indoor use.

The product can also be used on heating screeds.

Typical examples of RICRETE 1C application are: the preparation of smooth substrates made of either glazed ceramic or porcelain stoneware as well as stone or resin to be overcoated by skim coats and self-leveling coats or by gluing tiles with cementitious adhesives or for the subsequent treatment of surfaces made of chipboard or wood for protection against moisture.

Application

General preparation of the surface:

- the substrate to be treated must be dry, clean and free of oil, grease, wax, residues of glue, paint and other loose material;
- if needed, rinse the laying surface with water and a specific detergent to remove any traces of grease, oil or waxes; then wait until the surface is dry, before proceeding;
- on surfaces made of either linoleum or resin sanding should be carried out followed by vacuuming and dusting; in case of subsequent washing wait until the surface is dry before proceeding.

Product Application:

- the product is ready to use and can be diluted with water or other solvents;
- thoroughly mix the product manually, or better, with drill and whisk/impeller to homogenize the contents: the presence of soft and easily dispersible sediment on the bottom is normal;
- both room and laying substrate temperatures can not be lower than +1°C;
- apply with a short hair roller in a single coat.

Curing of the product and subsequent applications

The subsequent coating must be applied directly on RICRETE 1C once it has completely dried and hardened.

The product drying time varies depending on both room temperature and substrate temperature (average waiting time: 3 hours).

Avoid deposition of dust on dry RICRETE 1C as this will reduce the adhesion capacity of the subsequent coating.

Cleaning of the tools:

- if the product is still fresh: with water;



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- after the product has dried, clean tools by mechanical means.

Coverage: 120-150 g/m².

Warnings and Special Instructions

- Apply at temperatures ranging from +1°C to +35°C.
- Do not use RICRETE 1C outdoors.
- Do not use RICRETE 1C in the pool.
- Do not mix with other substances, nor diluted with water or solvents.
- Not suitable for application on substrates that are either wet or affected by rising damp.
- Do not walk on the treated area before the product is fully cured, i.e. within 1-3 hours from application.
- Refer to the Material Safety Data Sheet before use.

Specifications

consistency	-	liquid
colour	-	blue, not covering
bulk mass, ISO 2811-1	g/cm ³	1.18 ± 0.05
pH, ISO 976	-	9.0 ± 0.5
solid residue (125 ° C, 1 h, 2 g), ISO 1625	%	54.3 ± 0.5
dynamic viscosity, UNI EN ISO 2555	mPa·s	10000 ± 500
maximum grain size	mm	0.3
minimum time for recoating	at +1°C	6.8
	at +23°C	2.3
Minimum Temperature of Application	°C	+1
adhesion to glazed ceramic, ASTM D 4541 (pull-off test)	MPa	7.9 ± 0.4
adhesion to porcelain stoneware, ASTM D 4541 (pull-off test)	MPa	15.9 ± 0.4
adhesion to clinker, ASTM D 4541 (pull-off test)	MPa	6.6 ± 0.4
adhesion to concrete, ASTM D 4541 (pull-off test)	MPa	> 1.5 (cohesive failure cls)
adhesion to linoleum, ASTM D 4541 (pull-off test)	MPa	2.1 ± 0.1
adhesion to epoxy, ASTM D 4541 (pull-off test)	MPa	5.4 ± 0.2
adhesion to polyurethane resin, ASTM D 4541 (pull-off test)	MPa	4.5 ± 0.2

Note: The test method refers to regulations as indicated on the table

Labelling, Packaging and Storage

Packaging	1 kg plastic jar 4 k plastic drum
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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