

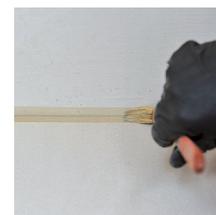


NORPHEN FONDO IGRO

Mono-component solvent-based anchoring base coat

CE marking:

- EN 13813 - Designation: SR-B2.0



TECHNICAL SPECIFICATIONS



FIELD OF APPLICATION



APPLICATIONS



Description

NORPHEN FONDO IGRO is a mono-component liquid water-hardening product made up of mixture of aromatic pre-polyisocyanates and additives dissolved in solvent.

In the first hour after its application, NORPHEN FONDO IGRO makes the treated surface adhesive for the anchoring of the subsequent polyurethane coatings or coatings of other compatible chemical nature.

NORPHEN FONDO IGRO penetrates deeply into porous supports (e.g. sand and cement screeds) and exerts a significant consolidating action following the cross-linking reaction with the humidity in the atmosphere or the support.

CE marking

► EN 13813

NORPHEN FONDO IGRO complies with the principles envisaged in the EN 13813 standard ("Screed material and floor screeds - Screed materials: Properties and requirements") with the following designation:

→ SR – B2.0

- Synthetic resin screed (SR)
- Bond strength: 2.3 ± 0.2 MPa (B2.0)

Colour

NORPHEN FONDO IGRO is a transparent amber liquid.

Field of application

NORPHEN FONDO IGRO is suitable for use as:

- Base coat on dry cement, asbestos cement and wooden surfaces.
- Impregnating-consolidating agent for any type of support with chalking problems.
- Adhesion promoter for sealants of the BETONSEAL MS range on cement and brick porous supports.

Advantages

- NORPHEN FONDO IGRO is a mono-component product.
- NORPHEN FONDO IGRO is ready-to-use.
- NORPHEN FONDO IGRO is easy to apply and does not require any special equipment.
- NORPHEN FONDO IGRO is compatible with all polyurethane systems.

General preparation of the laying support

- The support must be carefully examined to ascertain that it is a suitable and structurally sound base.
- The type of treatment to be effected must be chosen in relation to the conditions of the surface:

→ wash with pressurised hot water;

→ acid wash;

NORPHEN FONDO IGRO

- sanding;
- diamond-wheel grinding;
- milling;
- shot peening.

In this way, dust, dirt, grease, oil, old adhesives or paints, efflorescence, rust, moulds and other foreign matter will be removed.

- The product can be applied only on dry surfaces even deeply.

Specific preparation of the laying support

- ▶ On floors (screed or concrete)

Repair any depressions or loose parts of the floor (screed and concrete):

→ for thicknesses exceeding 3 mm: use MALTA RAPIDA

→ for thicknesses below 3 mm: use NORPHEN FONDO SL suitably charged with quartz sand of various grain sizes.

Preparing the product

- NORPHEN FONDO IGRO is ready-to-use.
- Shake the product before drawing it.

Application of the product

- Apply NORPHEN FONDO IGRO using a roller or block brush.
- Continue working on the same point to guarantee the highest possible penetration.
- Coat over the successive treatment after at least 15 minutes and within maximum 1 hour.

NOTE: more than 1 hour after application, the degree of cross-linking of NORPHEN FONDO IGRO will be too high and the treated surface will become non-adhesive.

Consumption

type of application	minimum consumption	maximum consumption	UoM	dilution
Depending on the porosity of the support	0,1	0,2	L/m ²	-

Cleaning of tools

- Wet product: clean with ACETONE, SOLVENT FOR NORDPUR, polyurethane thinner or nitro thinner.
- Hardened product: remove mechanically or with paint strippers (FLUID STRIPPER or GEL STRIPPER).

Useful application tips

- The product is sensitive to dampness. Close the container carefully if used partially.
- Avoid pouring any remaining amounts of product back into the original container.
- The degree of cross-linking of NORPHEN FONDO IGRO, 3–4 days after its application, will have reached a level that will require, for the application of any successive coating, the support to be sanded and NORPHEN FONDO IGRO to be reapplied.
- The product is flammable.
- The product is dangerous, adopt suitable precautions and use the PPE specified in the Safety Sheet under point 8.
- When applied in poorly aerated areas, it is advisable to adequately ventilate the environment and protect the airways using a dust mask equipped with A organic vapour filters (brown strip) or combined ABEK filters (brown-yellow-grey-green strip), as per the EN 141 standard.
- Read the Safety Sheet carefully before using the product.

Technical data

▶ PRODUCT IDENTIFICATION DATA	UoM	value
-------------------------------	-----	-------

NORPHEN FONDO IGRO

Density at 20°C, EN ISO 2811-1	kg/L	0,932 ± 0,005
Kinematic viscosity (ISO cup 3, 23°C), EN ISO 2431	s	52 ± 4
Colour	-	Deep amber
Appearance	-	Transparent liquid
Odour	-	Of solvent

► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Application temperature	°C	From +5 to +35
Surface drying time (20°C, 50% R.H.), EN ISO 9117-3	min	60 ± 15
Useful interval for covering the surface with a resin coating	min	From 15 to 60
Full curing time (at +23°C, 50% R.H.)	days	7

► TECHNICAL DATA IN CONFORMITY TO EN 13813	UoM	value
Bond strength, EN 13892-8	MPa	2,3 ± 0,2 Rottura substrato

Storage of the product

- 12 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +5°C and +30°C.
- Protect the product against humidity.

Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	0.5 l can	P*	-	
-	12 lattine da 1 L	P*	32 scatole	
-	4 latte da 5 L	P*	18 scatole	
-	fustino met. da 20 L	YES	33 fustini	

Legenda ADR:

P* = merce PERICOLOSA imballata in quantità limitata (confezionata come da Cap. 3.4 ADR)

SI' = merce PERICOLOSA

LEGAL NOTES

Advice on how to use our products corresponds to the current state of our knowledge and does not involve the assumption of any guarantee and / or responsibility for the final result of the work. They do not refore exempt the customer from the responsibility of verifying the suitability of the products for the use and the prefixed purposes through preventive tests. The website www.nordresine.com contains the latest revision of this datasheet.

EDITION

Issue date: 05.04.1998

Revision: 15.10.2018