

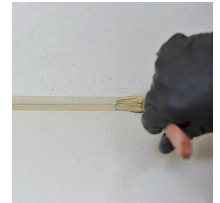
NORPHEN FONDO IGRO

Single component, solvent-based polyurethane primer and adhesion promoter

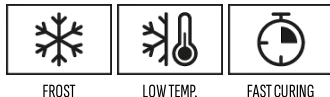


CE marking:

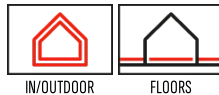
→ EN 13813 • Designation: SR-B2,0



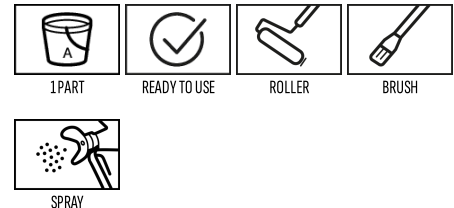
TECHNICAL FEATURES



FIELD OF APPLICATION



APPLICATIONS



Description

NORPHEN FONDO IGRO is a one-component liquid moisture-curing product based on mixture of aromatic pre-polyisocyanates and additives dissolved in solvent.

Within the first hour after application, NORPHEN FONDO IGRO acts as an adhesion promoter for polyurethane coatings (or other chemically compatible) to be applied on the surface.

NORPHEN FONDO IGRO penetrates deeply into porous substrates (e.g. sand and cement screeds) there exerts a considerable consolidating action as a result of a moisture-driven cross-linking reaction.

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 (SR) based screed.
- Adhesion strength: 2.3 ± 0.2 MPa (B2.0)

Colour

NORPHEN FONDO IGRO is a transparent liquid of amber color.

Field of application

NORPHEN FONDO IGRO is indicated as:

- Primer on dry surfaces made of cement, asbestos-cement and wood.
- Impregnating and consolidating agent for any type of substrate with chalking problems.
- Adhesion promoter for sealants of the BETONSEAL MS series on porous cement and brick substrates.

Advantages

- NORPHEN FONDO IGRO is single-component.
- 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.

NORPHEN FONDO IGRO

General preparation of the laying surface

- Carefully examine the substrate to be certain that it is a suitable and structurally sound base.
- Carry out the most suitable treatment based on the initial conditions of the substrate:

→ washing with hot pressure water;
→ acid washing;
→ sanding;
→ diamond grinding;
→ scarification;
→ shot peening.

The purpose of preliminary treatments is to remove dust, dirt, grease, oil, old adhesives or paint, efflorescence, rust, mold, and other foreign materials.

- The product can only be applied on dry substrates, even in depth.

Specific preparation of the laying substrate

► Floor-mounted (screed or concrete)

Fill even depressions and cracks on the floor (screed and concrete) with:

→ MALTA RAPIDA, for gap thickness greater than 3 mm;
→ FONDO SL (mixed with quartz sands of suitable grain sizes) for gap thickness thinner than 3 mm.

Product preparation

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

Product application

- Apply NORPHEN FONDO IGRO with a roller or brush.
- Insist on the same spot several times in order to ensure the greatest possible soaking.
- Before proceeding with the next coat, wait 15 to 60 minutes after application of NORPHEN FONDO IGRO.

NOTE: do not exceed 60 minutes after applying NORPHEN FONDO IGRO in order to avoid excessive cross-linking which would make the surface no longer adhesive.

Consumption

type of application	minimum consumption	maximum consumption	u.m.	notes
For all surfaces	0,1	0,2	L/m ²	(1)

(1) Depending on the porosity of the substrate.

Tool cleaning

- Fresh product: cleaning with ACETONE, SOLVENTE PER NORDPUR, polyurethane thinner or nitro thinner.
- Hardened product: mechanical removal or use of paint strippers (FLUID STRIPPER or GEL STRIPPER).

Useful tips for laying

- The product is sensitive to moisture. Close the package carefully in case of partial use.
- Do not pour leftover product back into the original packaging.
- 3-4 days after applying NORPHEN FONDO IGRO, it is necessary to sand the surface and apply another coat of NORPHEN FONDO IGRO to ensure adhesion of subsequent coats.
- The product is flammable.
- The product is dangerous, take the precautions and PPE indicated in the Safety Data Sheet in point 8.
- When applied in poorly aerated areas, it is advisable to adequately ventilate the environment and protect the

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airways wearing a dust mask equipped with a type A filter (brown strip, against organic vapour) or a type ABEK combined filter (brown-yellow-grey-green strip), according to EN 141.

- Read the Safety Data Sheet carefully before use.

Technical Data

► PRODUCT IDENTIFICATION DATA	u.m.	value
Density at 20°C, EN ISO 2811-1	kg/L	0,932 ± 0,005
Kinematic viscosity (cup 3 ISO, 23°C), EN ISO 2431	s	52 ± 4
Color	-	Intense amber yellow
Appearance	-	Transparent liquid
Odor	-	Solvent
► APPLICATION DATA AND FINAL PERFORMANCE	u.m.	value
Application temperature	°C	+5 to +35
Surface drying time (20°C, 50%RH), EN ISO 9117-3	min	60 ± 15
Time interval for coating with a resin coating	min	From 15 to 60
Full curing time (at 23°C, 50% RH)	days	7
► TECHNICAL DATA IN ACCORDANCE WITH EN 13813	u.m.	value
Bond strength, EN 13892-8	MPa	2,3 ± 0,2 (Cohesive failure in the substrate)

Product storage

- 12 months in the original sealed packaging, in a dry, covered area, protected from direct sunlight and at a temperature between +5°C and +30°C.
- Keep in a dry place.

Packaging

VARIANT	PACKAGE	ADR	PACKAGE / PALLET	COMPONENTS	NOTES
-	tin can - 0.5 L	P*	-	-	-
-	12 x 1L cans	P*	32 boxes	-	-
-	4 x 5 L cans	P*	18 boxes	-	-
-	steel pail - 20 L	SI'	33 buckets	-	-

ADR legend:

NO = NON-DANGEROUS goods

P* = DANGEROUS goods packed in limited quantities (packed as per ADR Chapter 3.4)

SI = DANGEROUS Goods

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LEGAL NOTES

The information contained in this Technical Data Sheet is based on the knowledge and experience gained by Nord Resine up to the date of its issue and is for indicative purposes only. It does not constitute a technical specification nor does it imply the assumption of any warranty, express or implied, or liability regarding the results obtainable, which depend on multiple factors beyond the control of Nord Resine.

It is the user's responsibility to verify in advance, also through suitable tests, the suitability of the product for the intended use, compatibility with the substrate, appropriate environmental application conditions, and the execution of the installation according to workmanship standards, assuming all liability arising from the use of the product and the final result of the works.

Nord Resine reserves the right to modify, at any time and without prior notice, product characteristics, packaging, contained quantities, and this technical documentation. Nord Resine products are intended exclusively for professional use.

This Technical Data Sheet cancels and replaces previous editions. Please check the latest and most updated revision at <https://nordresine.com/en/>

EDITION

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