

-  RESIN FLOORS
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## NORPHEN SW FONDO

### Water-based very high-coverage white epoxy primer coat

#### Description

NORPHEN SW FONDO is a two component, water-based, high coverage, white epoxy primer to be used together with low coverage colour finishing (see Technical Appendix E).

The product consists of:

- Component A: a mixture of liquid epoxy prepolymers, fillers and additives;
- Component B: copolymerization amines, additives and special high coverage fillers.

Once fully cured, NORPHEN SW FONDO gives rise to a waterproof film, designed to achieve an uniform colour and surface absorption wherever applied.

#### Usage field

NORPHEN SW FONDO is used as a primer for NORPHEN SW SMALTO and NORPUR SW systems (all variants), when the area to be coated exhibits a variable absorption rate and an uneven colour and / or much darker than the finish to be applied.

#### Substrates preparation

- Laying areas must be structurally sound, clean, free of all loose material and dry;
- The kind of treatment to be performed shall be chosen depending on the actual state of the area between the following:
  - diamond grinding;
  - washing by means of acids;
  - sanding.
- In this way dust, dirt, grease, oil, old adhesive or paint, laitance, rust, mildew and other extraneous materials will be removed.

#### Old floors with existing holes:

- depressions and inconsistencies of the surface must be compensated with GROVE RASANTE RAPIDO or RASANTE 2000, for thicknesses greater than 5 mm, with W3 NORPHEN for thicknesses less than 5 mm.

#### Much-used floors having both poor compression resistance and high porosity problems:

- are to be reinforced by impregnation with one or more coats of NORPHEN SW SOLID to be diluted 4/7 fold in water (dilution must be determined on the basis of the substrate absorption rate).

#### Product preparation

- Pour NORPHEN SW FONDO component A into component B B and mix well with drill and impeller (manual mixing must be absolutely avoided);
- apply with a 25 cm wide short haired roller (for solvents).

#### Product application

- for a coverage of 200-240 g/m<sup>2</sup>, apply NORPHEN SW FONDO in one coat and with a roller.
- possibly adjust viscosity by adding a maximum 2-3% of water by weight.
- the day after to continue the cycle, the chosen finish shall be laid down, consulting the tables contained in Technical Appendix E and where it is recommended to apply one or two subsequent coats of low weight aestheticising finish (120-150 g/m<sup>2</sup> per coat) , depending on the colour.

#### Average Consumption

Average consumption: 220 g / m<sup>2</sup>.

#### Colors

The product is only available in its WHITE version.



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### Features

Bulk Density (A + B) UNI 8310	g / cm <sup>3</sup>	1.19 ± 0.05
Pot life (at +20 ° C) UNI EN ISO 9514	Minutes	80 ± 10
Curing minimum time	Hours	24 to 48
Total crosslinking time	Days	7
Application Temperature	°C	from +13 to +35
Hardness (Shore D) ASTM D 2240	-	> 60
Ratio A: B		1: 6

Note: testing methods are in accordance with the standards referred

### Warning and informations

- Apply further layers the following day, after a maximum of 48 hours.
- The lower the temperature the higher the viscosity, therefore during cold weather the product must be taken to a warm place before proceeding with the application and shall be cured at temperatures above +13 ° C.
- The system's reaction speed is affected by temperature and cold weather decreases this speed to zero. In warmer weather, keep product containers in a cool place.
- Mix NORPHEN SW FONDO components A and B to the exact proportions given by the manufacturer; if needed, use a scale to sort out packs.
- Clean equipment thoroughly with WATER.
- Warning: the product once hardened can only be removed by flame or >200°C hot air.
- Please carefully read the Material Safety Data Sheet (MSDS).

### Packing

Packs of 4.9 and 9.8 kg

### Preservation

24 months in original packaging, in a covered, dry area at temperatures between +5 ° C to +30 ° C.

### Legal notice

Tips on how to use our products match the current state of our knowledge and do not imply any assumption of responsibility or/and liability for the final result of works. Therefore, customers are not exempt from the responsibility to verify the suitability of products for use and final aims through preliminary tests. The website [www.nordresine.com](http://www.nordresine.com) contains the latest revision of this datasheet.

### Edition

05.03.1010

