



FONDO WET&DRY

Bi-component solvent-free anchoring base coat for resin coatings on dry and humid surfaces

CE marking:

- EN 13813 - Designation: SR-B2.0



TECHNICAL SPECIFICATIONS



IMPERM.



GELO



LENTO



PEDONAB.



CARRABILE

FIELD OF APPLICATION



INT/EST



PAVIMENTI



MARCIAP.



TETTI



PISCINE



CANTINE



CAPANNONI

APPLICATIONS



E1



RULLO



FRATTAZZO



PENELLO

Description

FONDO WET&DRY is a bi-component epoxy product.

Component A is a mixture of liquid epoxy pre-polymers.

Component B is a mixture of co-polymerisation amines.

The mixed product is fluid, transparent with an amber colour and self-levelling, and is formulated for creating an adhesion layer between the substrate and the successive top coats when creating epoxy coatings or other compatible types.

FONDO WET&DRY is designed to harden within roughly 6–8 hours from laying.

In the first 24 hours after application, it makes the surface adhesive for the anchoring of the subsequent treatments with epoxy resins or other compatible type.

CE marking

- ▶ EN 13813

FONDO WET&DRY 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: 3.0 MPa (B2.0)

Colour

FONDO WET&DRY is transparent slightly straw-yellow.

Field of application

FONDO WET&DRY is used as:

- Base coat on dry and damp surfaces (maximum 6% humidity as per the ASTM D4944 or UNI 10329 standard, carbide method) made of concrete, sand and cement screeds, smoothed tiles, natural stone and wood.
- A first skim base coat, after adding NATURAL QUARTZ sand of various grain size and in various quantities, to be sprinkled while wet with NATURAL QUARTZ sand, before the application of epoxy, polyurethane or polyurea mortars and coatings.

General preparation of the laying support

- The support must be carefully examined to ensure 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:
 - acid wash;
 - sanding;
 - diamond-wheel grinding;
 - milling;

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→ shot peening.

In this way, dust, dirt, grease, oil, old adhesives or paints, efflorescence, rust, moulds and other foreign matter will be removed, and the surface's porosity is increased.

- Depressions and uneven areas of the surface must be repaired with FONDO WET&DRY loaded with quartz sands of various grain sizes depending on the thickness to be recovered.

For this operation, the ratio in weight between the resin (A+B) and quartz can reach 1:6.

Preparing the product

- Pour FONDO WET&DRY (B) into the container of comp. A and mix thoroughly using professional mixer.

Application of the product

- Apply FONDO WET&DRY using a roller, block brush or smooth steel trowel, adding to the mix (if specified) NATURAL QUARTZ SAND and sprinkling (if specified) NATURAL QUARTZ SAND THINLY or UNTIL SATURATION of the grain size chosen among those available.

- FONDO WET&DRY possesses a considerable reactivity even at low temperatures.

The minimum time required to reach the useful hardness for the successive top coats is shown in the following table, in relation to the application temperature:

temperatura [°C]	→ tempo minimo per la successiva applicazione [ore]
+1	36
+12	24
+20	8
+30	6

Tab. 1: minimum time for overcoating on the basis of the application temperature.

- For perfect adhesion of the successive coats, the overcoating must be completed within maximum 24 hours after the curing times indicated in Table 1.

NOTE: if the surface of FONDO WET&DRY was sprinkled with quartz sand, there are no limits for the overcoating time.

Consumption

Summarised below are the consumptions of FONDO WET&DRY depending on the most common use.

type of application	minimum consumption	maximum consumption	UoM	notes
Consolidating and wetting primer for concrete surfaces and screeds, applied with a roller	0,15	0,20	kg/m ²	-
Primer with high filling power for industrial concrete surfaces that have been smoothed with a diamond grinding wheel or treated with an acid wash	0,45	0,45	kg/m ²	Loaded with 0.1–0.3 NATURAL QUARTZ sand and skim coated
Primer with high filling power for industrial concrete surfaces that have been smoothed with a diamond grinding wheel	0,70	0,70	kg/m ²	Loaded with 0.1–0.3 NATURAL QUARTZ sand (30% on A+B) + 0.3–0.9 (70% on A+B) and skim coated
Primer with high filling power for industrial concrete surfaces that have been shot-peened	0,90	0,90	kg/m ²	Loaded with 0.1–0.3 NATURAL QUARTZ sand (30% on A+B) + 0.3–0.9 (70% on A+B) and skim coated

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Cleaning of tools

- Wet product: clean with ACETONE or nitro thinner.
- Hardened product: remove mechanically, soak for at least 24 hours in ACETONE or nitro thinner, or use paint strippers (FLUID STRIPPER or GEL STRIPPER).

Useful application tips

- Nella preparazione del prodotto si raccomanda di mescolare i due componenti con mezzi meccanici. Non mescolare a mano.
- In summer, store the product in a cool place to preserve the pot-life of the A+B mix.
- In winter store the product in a warm place to preserve good fluidity.
- Mix Components A and B of in the precise RATIO stated on the label.
- If the package is used partially, weigh the single components by reading the exact RATIO by weight on the package.
- Read the Safety Sheet carefully before using the product.

Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Density (comp. A) at 23°C, 50% R.H., EN ISO 1675	kg/L	1,10 ± 0,02
Density (comp. B) at 23°C, 50% R.H., EN ISO 1675	kg/L	1,02 ± 0,03
Density (A+B) at 23°C, 50% R.H., EN ISO 1675	kg/L	1,06 ± 0,05
Dry residue, A+B	-	100%
Appearance (Component A)	-	Transparent colourless liquid
Appearance (Component B)	-	Transparent amber liquid
Brookfield apparent dynamic viscosity (A+B at +23°C / 50% R.H. ASTM#5 spindle, 150 rpm), EN ISO 2555	mPa•s	550 ± 80
► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Mix ratio by weight (A:B)	-	2 : 1
Application temperature	°C	From +1 to +30
Pot-life (thermometric), from +15°C to +40°C, EN ISO 9514	min	40 ± 1
Pot-life (thermometric), from +27°C to +40°C, EN ISO 9514	min	11,0 ± 0,4
Pot-life (thermometric), from +20°C to +40°C, EN ISO 9514	min	23 ± 1
Average waiting time for the successive coating over	hours	(See Table 1)
Full curing time (at +10°C, 70% R.H.)	days	7
Resistance to thermal shocks, EN 13687-5	MPa	≥ 5
► TECHNICAL DATA IN CONFORMITY TO EN 13813	UoM	value
Bond strength, EN 13892-8	MPa	3,0 ± 0,1 Rottura coesiva substrato

Storage of the product

- 24 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +5°C and +35°C.

Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	kit (A+B) da 3 kg	P*	-	A = 2 kg (fustino met.) B = 1 kg (barattolo)
-	(A+B) da 30 kg	YES	-	A = 20 kg (fustino met.) B = 10 kg (tanica)

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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

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