

NORDPLUG

Ultra-rapid waterproofing agent for blocking counterthrust water ingress



TECHNICAL SPECIFICATIONS



FIELD OF APPLICATION



APPLICATIONS



Description

NORDPLUG is a special cement that sets almost instantly and guarantees excellent water resistance in counterthrust. NORDPLUG is designed for hardening also in the presence of running water; for this reason, it is used to stop active infiltrations before the application of counterthrust waterproofing systems.

Colour

NORDPLUG is cement grey.

Field of application

NORDPLUG is ideal for stopping water infiltrations in counterthrust through:

- Walls of basements.
- Foundation slabs.
- Earth-retaining walls.
- Walls of lift cavities and goods hoists.
- Walls of swimming pools, channels and tunnels.

Advantages

NORDPLUG creates a non-toxic coating.

- NORDPLUG is extremely easy and quick to apply.
- NORDPLUG is impermeable and resistant to water.
- NORDPLUG chloride-free.

General preparation of the laying support

- Apply only on solid and cohesive, coarse (or roughened) surfaces free of efflorescence.
- Make sure that the application surface is wet "to saturation". If not, make the necessary interventions.
- The cracks to be filled must be enlarged, if possible, with a dovetail shape with the wider part facing the inside of the crack.

This will ensure that the successive grouting will remain mechanically trapped inside the crack.

Preparing the product

- We recommend mixing small amounts of NORDPLUG with water, as the reaction speed does not allow NORDPLUG for being used correctly over long periods.

Operate on the basis of the speed at which the product can be applied.

- If very large cracks must be treated, prepare and apply multiple mixes of NORDPLUG consecutively.

Application of the product

- ▶ Sealing of cracks with leaking water (infiltrations active)
- Mix a small amount of NORDPLUG in a little clean water (20–30 ml of water for every 100 g of NORDPLUG).

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Adjust the quantity of water on the basis of the desired mix consistency.

- With the aid of rubber gloves, roll the product into a ball until it starts to harden.
 - At this point, vigorously press NORDPLUG in the previously opened, clean and wet slit.
 - Wait a few seconds for the product to harden.
 - Proceed in the same way until the infiltration is stopped and the crack has been fully sealed.
 - Before coating over other mortars or cements, wait for the treated part to cool down.
- To favour its heat dispersion, the product can be wetted with cold water.

► Sealing of cracks or creation of very broad fillets with leaking water (infiltrations active)

- If it is necessary to create fillets that are too large for using NORDPLUG correctly, it is possible to prepare an ultra-rapid mortar using a mixture of NORDGROUTH TIXO and NORDPLUG.
- The ratio between the two products must be chosen in relation to the water flow coming from the leak to be sealed. Normalmente 30 parti in peso di NORDPLUG + 70 parti in peso di NORDGROUTH TIXO, oppure 40 parti di NORDPLUG + 60 di NORDGROUTH TIXO.

Consumption

type of application	minimum consumption	maximum consumption	UoM	dilution
To fill a 1 l volume	1,4	1,4	kg/L	of the powdered product

Cleaning of tools

- Wet product: clean with water (including a power wash).
- Hardened product: remove mechanically.

Useful application tips

- Do not add gypsum, lime or other binders not specified in this Technical Sheet to NORDPLUG.
- The product mixed with water becomes corrosive: protects the hands and eyes with suitable equipment.
- In case of accidental contact with the eyes or skin, wash the affected part immediately with abundant water and consult a doctor.
- Read the Safety Sheet carefully before using the product.

Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Density in bunch, EN 1097-3	kg/L	1,4 ± 0,2
Consistency	-	Powder
Colour	-	Grey

► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Mix water	-	(28 ± 3)%
Density of the mix, EN 1015-6	kg/L	1,80 ± 0,07
Setting start time, EN 196-3	min	1
Setting end time, EN 196-3	min	3
Full curing time (at +23°C, 50% R.H.)	days	> 28
Minimum application temperature	°C	+5

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.

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Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	12 barattoli da 1 kg	NO	24 scatole	
-	5 sacchetti da 4 kg	NO	24 scatole	

Legenda ADR:
NO = merce NON 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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