





-  EN DAMP PROOFING
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-  PL OSUSZANIE MURÓW



NORDCEM

Waterproofing osmotic cement

Description

NORDCEM is a special inorganic cement with osmotic properties. Once dissolved in a solvent it is capable of penetrating into the substrates micro-revices, chemically react stabilizing the calcium hydrate and irreversibly precipitate in the form of insoluble micro-crystals which then occlude the internal porosity (chemical waterproofing).

At the same time, NORDCEM gives rise on the surface to a cementitious, pore-free, waterproof layer that is able to resist water counter-pressure.

The chemical nature of the NORDCEM layer allows the substrate perspiration and to maintain the waterproofing effect over a very long period of time.

Where to Use

NORDCEM is used for:

- waterproofing of structures subjected to continuous water pressure (positive or negative), such as basements, foundations, retaining walls, lift shafts, hoists, swimming pools, tanks, canals, tunnels;
- waterproofing of tanks for the storage of non-potable water.

Advantages

NORDCEM:

- is a non-toxic coating;
- allows intervention on substrates saturated with water;
- is easy and quick to install.

Application

Product Preparation

- Gradually pour in a bucket containing 3 liters of clean water or BETONLATEX the contents of half NORDCEM bag (approx. 12.5 kg) by mixing with a low revolutions mixer until a creamy consistency is achieved;
- let the mixture rest for 5 minutes;
- stir again and proceed with the application.

Wetting of the Surface

Particular care must be taken to achieve the correct degree of saturation of the surface with water before starting the installation: the surface must be **repeatedly** wet in order to keep the surface very moist without having a thin, percolating layer of water.

If it is a very dry and/or windy day, the substrate must be kept constantly wet in order to provide appropriate conditions of installation.

Application according to the substrate

On concrete

- remove all iron spacers (cut them until at least 1 cm inside the concrete), nails and bolts/plugs;
- open any existing cold shuts;
- realize the cove joint in the corners between horizontal and vertical surfaces. Compensate and fill with NORDGROUTH TIXO following the instructions written on the Technical Data Sheet;
- wet up to saturation;
- apply NORDCEM (grout consistency) with a mason's brush made of nylon fibers.





Coverage: approx. 2.0 kg/m² in one coat.

On masonry walls and retaining walls

Build a waterproof plaster as follows:

- wet thoroughly and prime with SUPERLATEX;
- apply a rendering coat made with NORDGROUTH TIXO;
- the day after bathing and apply for a NORDCEM consumption of 2 kg/m² on;



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- wait 8 hours and apply at least 1cm NORDGROUTH TIXO thick layer;
- the day after wet it and apply a finishing coat of NORDCEM.

Coverage: approx. 2.0 kg/m² in one coat.

Product Curing

For best results, it is advisable to keep the product wet as soon as it begins to set: if not enough attention is paid to this regard, the product will never be completely cured and chalking will appear on the surface. In case of hot weather it is advisable to apply the product in the evening and however let it soak for approx. 48 hours.

Tools Cleaning

Clean tools with clean water until the product is fresh, once it has hardened remove it by mechanical means.

Warnings

- Apply at temperatures between +5 and +30°C.
- During the application, NORDCEM keep out from direct strong sunlight.
- To lay a second coat on NORDCEM once it has already-cured for a few days, the new product shall be mixed with BETONLATEX instead of water alone;
- Approximately half an hour after the preparation of the mix, an initial setting occurs leading to a subsequent thickening: mix and add a little amount of water to be able to continue using the product.

Specifications





DATI IDENTIFICATIVI DEL PRODOTTO		
Consistency	---	dust
Colour	---	gray
Aggregate maximum size	mm	0,315
Apparent bulk density	kg/m ³	1200 ± 50
Solid Residue	%	100
PRODUCT APPLICATION DATA (at 20°C and 50% RH)		
Mixture colour	---	gray
Mixing water	%	22-24
Mixture consistency	---	fluid - to apply by brush
Mixture mass density	kg/m ³	1700 ± 50
Application temperature	°C	da +5 a +30
Useful life of the dough	min	120 ± 10
Full curing	days	> 28
FINAL PERFORMANCE		
Impearmability to water, UNI 8202-21	bar	> 3
Class of reaction to fire (hardened mortar)	Euroclass	A1

Note: testing methods are in accordance with the standards referred to on the table.

Labelling, packaging and storage

Indication of danger	X _i
Packaging	25 kg bag in 56 bags pallets - 10 and 20 kg bucket
Storage	24 months in original packaging, in a covered, dry place at temperatures between +5°C and +35°C. Moisture sensitive.



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