

DOLINA NIDY CEMENT BASE COAT

for indoor and outdoor use

- for mechanical and manual application
- increases adhesion to the substrate
- frost and waterproof
- reduces material costs for plastering work



Machine application



Pot life



Apply temperature



Manual application

APPLICATION

- for making a bonding layer before applying the proper layer (top coat) of DOLINA NIDY cement-lime plaster
- for mechanical or manual application
- for indoor and outdoor use
- recommended for unfinished surfaces of bricks, tiles or blocks made from ceramic, lime-sand and cellular concrete, as well as for concrete and chip-cement boards

PROPERTIES

- ready-mixed building mortar based on Portland cement, quartz aggregate and additives which make it plastic and easy to handle
- increases the adhesion of the overlay to the substrate and is particularly important on smooth or low-absorbent substrates
- ensures rapid progress of the plastering work due to the possibility of machine application
- is a frost and waterproof mortar

SUBSTRATE PREPARATION

The substrate should be suitably seasoned, dry, stable and cleaned of contaminants that could weaken the adhesion of the render and plaster. Plumbing voids should be filled with cement mortar before the render is applied.

For detailed recommendations, please refer to the table on the last page of the Technical Data Sheet.

Before plastering, gypsum substrates should be scratched with a sharp chisel in a dense, angled grid so that the scratch depth is approx. 3 mm, then dusted off and primed. When plastering substrates with differing technical properties, e.g. at the junction of different construction materials (masonry wall and reinforced concrete lintel and reinforced concrete lintels, etc.), as well as at the interface between chipboard and cement boards, it is recommended to use additional reinforcement from alkali-resistant reinforcing mesh (galvanised steel or glass fibre with a mesh size of 10x10 mm).



MORTAR PREPARATION

The mortar is prepared in a plastering unit equipped with a screw pump, pouring the dry mixture from bags. A thickened mortar consistency is required. In case of manual application, mortar preparation consists in pouring the dry mixture evenly into a vessel with a measured amount of clean water, in proportions specified in the Technical Data, and then manually or mechanically mixing until a homogeneous mass is obtained without any lumps.

METHOD OF APPLICATION

Apply the thick mortar manually or mechanically, on a suitably prepared substrate, maintaining 80 to 100% coverage. Do not level or trowel the surface. Allow the mortar to cure initially (1-3 days) and then proceed with the application of the proper layer (plaster overlays).

RECOMMENDATIONS FOR THE CARE OF THE LAYER

CEMENT BASE COAT applied to the substrate needs approx. 1 - 3 days for setting and acquiring appropriate mechanical properties. After this time, the next layer can be applied. In case of technological intervals exceeding 7 days or complete drying out of the base coat, the layer should be moistened with water directly before the application of the proper layer of plaster. During this period, ensure adequate ventilation of the rooms and categorically avoid draughts. Protect the fresh coat from direct sunlight and frost.

CONSUMPTION

On average, approximately 6-7 kg of dry mix is used at² 1 m when covering up to 100% of the substrate surface.



PACKAGING

30 kg paper bags.

TOOLS

Plastering unit, drill with mixer, stainless steel trowel, mortar container. Clean the tools with clean water immediately after use.

SAFETY INFORMATION

Safety information is given on the product packaging and in the Safety Data Sheet, available at dolina-nidy.com.pl.

The product is hygienically certified.

STORAGE AND TRANSPORT

Information on storage and transport is given on the product packaging and in the Safety Data Sheet, available at dolina-nidy.com.pl.

The shelf life of the product (best before use) is 12 months from the production date on the bag.

TECHNICAL DATA

Water/dry mix proportions	5.25-5.55 l of water per 30 kg of dry mix
Pot life	approx. 120 minutes
Substrate and ambient temperature	from +5 °C to +25 °C

TECHNICAL REQUIREMENTS

The product is a construction product for which the technical specification is the harmonised European standard PN-EN 998-1:2016-12 - plaster mortar with specified properties, manufactured in-house, general purpose GP. For manual and machine application. For internal and external use on masonry walls, ceilings, columns and partition walls.

OBRZUTKA CEMENTOWA DOLINA NIDA (2019) Declaration of Performance No. D001/2/CPR EN 998-1:2016	
Intended use: - for external walls, ceilings and columns - for walls, ceilings, columns and partitions	
Reaction to fire	A1
Water absorption - category	Wc 1
Water vapour permeability coefficient	$\mu \leq 30$
Adhesion	0.3 N/mm ² FP:B

NOTE

The information contained in this Technical Data Sheet is a basic guideline for the use of the product and does not relieve the user of the obligation to carry out the work in accordance with the rules of the art of construction and safety regulations. With the issue of this Technical Data Sheet, all previous ones are no longer valid.

Documents accompanying the product are available at www.dolina-nidy.com.pl.

The contents of the technical data sheet and the designations and trade names used therein are the property of Atlas Ltd. Their unauthorised use will be sanctioned.

Update date: 2023-01-27

Specific recommendations for substrate preparation.

Substrate type	Requirements	Preparation	Method of priming
masonry walls made from cellular concrete or lime-sand-stone elements	seasoned for 2 to 3 months, moisture content of the substrate less than 3% (as determined by the CM method)	Clean the surface of the surface of dust, dirt, oil, grease, residues of paint coatings, etc. Chisel off any poorly bonded parts of the substrate or mortar, and clean any loose parts with a wire brush.	Priming with EURO-GRUNT 300 or EURO-GRUNT 500 is required. Apply the preparation in a suitable dilution, by brush, brush or roller. Allow to dry completely (approx. 12 h, depending on external conditions).
masonry walls made of ceramic and expanded clay elements, ribbed ceilings			It is recommended to apply a primer EURO-GRUNT 300 or EURO-GRUNT 500 in a suitable dilution, alternatively wet the surface with water directly before applying the finishing coat. Apply the preparation with a paintbrush, brush or roller. Allow to dry completely (approx. 12 h, depending on external conditions).
concrete and reinforced concrete	monolithic elements seasoned for 4-6 months, substrate moisture less than 3% (determined by CM method)	Clean the surface of dust, dirt, oil, grease, residues of paint and release agents. Loosely bound parts of the substrate should be chipped and cleaned of dust.	Priming with INTER-GRUNT is required. Apply the preparation with a brush, brush, or painting roller. Leave until completely dry (approx. 24 h, depending on external conditions).