

DOLINA NIDY OMEGA

white gypsum plaster

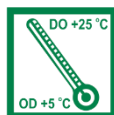
- for manual and mechanical application
- easy to process and finish
- very good grip
- optimum hardness
- effective paint coverage



Manual application



Machine application



Apply temperature
OD +5 °C
DO +25 °C



Eco product



APPLICATION

- for gypsum plastering of walls and ceilings
- for manual or machine application
- recommended for smoothing even mineral surfaces, especially gypsum-based substrates (plaster, gypsum plasterboard, pre-fabricated panels of the ProMonta type) and for concrete substrates as well as cement and cement-lime plasters
- for indoor use

PROPERTIES

- modern gypsum plaster manufactured on the basis of synthetic gypsum, containing mineral fillers and additives improving working parameters of the mass
- thanks to the right combination of additives, the mortar has very good workability, is malleable, easy to apply, spread and smooth out, and can be worked very well after setting, i.e. by sanding
- the possibility of applying by mechanical spraying devices allows an easier and much quicker application of the plaster compared to the traditional method
- the final effect of OMEGA is a perfectly smooth surface, white and uniform in colour, providing an excellent substrate for painting or wallpapering
- the gypsum layer has a positive effect on the health and well-being of building users, providing a favourable microclimate in the rooms

SUBSTRATE PREPARATION

The substrate should be suitably seasoned, dry, stable and cleaned of any impurities that could weaken adhesion. Fill installation furrows with DOLINA NIDY BUILDING GYPSUM. For detailed recommendations regarding the substrate preparation, see the table at the end.

All steel components in direct contact with the plaster should be protected against corrosion. Uneven mineral substrates, especially surfaces made of hollow bricks and bricks (ceramic, silicate, cellular

concrete) should be levelled with plaster beforehand. Not to be used on wooden, metal and plastic substrates.

PREPARATION OF THE MASS

The mixing ratio depends on the intended application method. In the case of manual application, use approx. 0.4 litres of water per 1 kg of dry mix, in the case of mechanical application (with prior preparation of the mortar) a maximum of 0.5 litres of water per 1 kg of dry mix. In both cases, the dry mixture should be poured evenly into a vessel with a measured amount of clean water, allowed to stand for 5 minutes and then mixed manually or mechanically until homogeneous. The mass is suitable for use immediately after mixing and retains its parameters for about 60 minutes. The unused mass, once it has started to set, is not suitable for re-mixing with water and should be discarded, as it reduces the setting time of the next grout.

METHOD OF APPLICATION

Mechanical spraying is carried out by guiding the sprayer at a distance of approx. 1 m from the substrate, in horizontal, overlapping strips. Intervals between spraying should not exceed 60 minutes, otherwise, the hopper and coil should be emptied and flushed with clean water. Immediately after spraying, the surface should be levelled with a steel trowel.

When applied by hand, the levelling compound is applied evenly with a stainless steel float, pressing firmly onto the substrate.

In both cases, if a second coat is required, wait until the first coat has set and dried. The maximum thickness of the finishing coat applied at one time should not exceed 2 mm, while the maximum thickness of all coats applied should not exceed 3 mm. Minor irregularities can be removed by sanding with fine paper or an abrasive grid. The drying time depends on the thickness of the layer, the temperature and humidity in the room. While the finish coat is drying, avoid direct sunlight and draughts and ensure adequate ventilation of the rooms.



RECOMMENDATIONS FOR SURFACE TREATMENT

During drying, avoid direct sunlight and draughts and ensure that the rooms are properly ventilated. The drying time of the levelling gypsum depends, among other things, on the place of application and the thickness of the layer, as well as the temperature and humidity in the room.

RECOMMENDATIONS FOR FINISHING WORK

Surface preparation for paint and wallpaper - check that the surface is sufficiently dry (max. moisture content of up to 1 %) and free of dust. Adapt the primer to the type of coating used. Follow the recommendations of the paint or wallpaper manufacturer.

CONSUMPTION

On average, approximately 0.8 kg per 1m² with a layer thickness of 1 mm is used for smoothing.

PACKAGING

Plastic bags 10 kg, 20 kg.

TOOLS

Mechanical spraying device recommended for application of plaster and filler, slow-speed drill with straight mixer, flexible plastic bucket, stainless steel plastering tools (steel trowel, spatula, trapezoidal trowel), mechanical sanding device, sandpaper or sanding grid. 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 www.dolina-nidy.com.pl.

The product is hygienically certified by PZH.

STORAGE AND TRANSPORT

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

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

TECHNICAL DATA

Mixing ratio - manual application	approx. 0.4 l water per 1 kg dry mix approx. 4.0 l water per 10 kg dry mix approx. 8.0 l water per 20 kg dry mix
Mixing ratio - mechanical spraying	max. 0.5 l water per 1 kg dry mix max. 5.0 l water per 10 kg dry mix max. 10.0 l water per 20 kg dry mix
Start of bonding time	no earlier than 60 minutes
End of bonding time	no more than 180 minutes
Conditions during the work	Substrate and ambient temperature between +5 °C and 25 °C, room humidity up to 70%.
Adhesion to plaster-board	≥ 0.1 N/mm ²
Bending strength	≥ 1,0 N/mm ²
Compressive strength	≥ 2.0 N/mm ²
Bulk weight	approx. 1000 kg/m ³
Volumetric weight	approx. 1000 kg/m ³
Maximum thickness of one layer	2 mm
Maximum thickness of all layers	3 mm

TECHNICAL REQUIREMENTS

The product is a construction product for which the technical specification is a harmonised European standard PN-EN 13279-1:2009 (gypsum finishing plaster for internal plastering of walls and ceilings - excluding walls, ceilings and linings intended to protect constructions against fire and/or in fire compartments in buildings).

WHITE GYPSUM PLASTER DOLINA NIDA OMEGA (2019) Declaration of Performance No. D130-1/2/CPR EN 13279-1:2008	
Intended use: General construction	
Reaction to fire (with direct exposure)	A1

NOTE

It is imperative that:

- proper storage of the product
- priming and proper preparation of substrates
- application of recommended layer thicknesses
- the correct substrate and ambient humidity and temperature
- recommended care

The manufacturer shall not be held liable for any consequences arising as a result of using the product contrary to the above recommendations and the rules of the art.

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.

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Detailed recommendations for substrate preparation can be found in the table below:

Type substrates	Requirements	Preparation	Method of priming
cement and cement-lime plasters	cured for a period of approx. 2-4 weeks, substrate moisture less than 3% (determined by CM method),	clean the surface, remove dust, dirt, oil, grease, paint residues, etc. from the surface. Chisel off any poorly bonded parts of the substrate or mortar, and clean any loose sections with a wire brush.	It is recommended to apply a primer with the EURO-GRUNT Primer. Apply the primer with a paint brush, a paintbrush or a roller. Allow to dry completely (approx. 12 h, depending on external conditions).
gypsum plaster, prefabricated gypsum products (blocks)	cured for a period of approx. 1-2 weeks, moisture content of the substrate less than 3% (as determined by the CM method)		priming not required
concrete and reinforced concrete	monolithic elements seasoned for 4-6 months, moisture content of the substrate less than 3% (as determined by the CM method)	clean the surface, remove dust, dirt, oil, grease, residues of paint and release agents. Loosely bound parts of the substrate should be chipped and cleaned of dust.	It is recommended to prime with INTER-GRUNT White Primer. Apply the primer with a paint brush, brush, or painting roller. Leave it to dry completely (approx. 24 h, depending on external conditions).