

DOLINA NIDY FILLING GYPSYM

- for substrate levelling and all renovation and installation work
- ideal coverage of substrate irregularities
- excellent distribution of the substrate, irrespective of the consistency of the mix
- high durability



USE

- for gypsum plastering of walls and ceilings
- for filler work and renovation work involving filling of small cracks and scratches in the substrate
- for assembling prefabricated gypsum units and fixing aluminium corners
- on typical mineral substrates such as concrete, cement, cement-lime and gypsum plaster and plasterboard
- for indoor use

PROPERTIES

- filling gypsum produced on the basis of natural gypsum binders obtained by roasting gypsum rock, containing mineral fillers and components making the gypsum mass plastic and very easy to handle ,
- versatile range of uses, can be used for levelling and smoothing substrates as well as installing prefabricated gypsum units
- high mechanical strength of the layer, resulting from high gypsum binder content ($\geq 50\%$)
- indispensable for renovations, especially of old buildings - the product ensures the correction of large irregularities in the substrate and the exact alignment of wall surfaces and corners
- for use in a layer thickness of up to 5 mm, significantly thicker than most smoothing products
- produces surfaces with a high degree of smoothness, providing an excellent substrate for painting or wallpapering
- the gypsum layer has a positive effect on the health and well-being of the building's users, providing a favourable indoor microclimate



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 FILLING GYPSUM. All steel components which may come into direct contact with gypsum filler should be protected against corrosion. Caution: do not apply to wooden, metal and plastic substrates. Detailed recommendations for substrate preparation can be found in the table at the end of the technical sheet.

PREPARATION OF THE MASS

The dry mixture should be poured evenly into a container with measured quantity of clean water, in the proportion of about 0.70 litre of water per 1 kg of gypsum and leave it for 3 - 5 minutes and then stir manually or mechanically until a homogeneous mass without lumps and undissolved components is obtained. When filling cavities, assembling aluminium corners or prefabricated gypsum blocks, the consistency of the mass should be thicker than when using it as a plaster. The mass is suitable for use immediately after mixing and retains its parameters for approximately 60 minutes. Before mixing the next batch of material, clean the container thoroughly of any residue of the set mass, as it may shorten the setting time of the next batch.

METHOD OF APPLICATION

When smoothing and levelling the **substrate**, the levelling compound should be applied evenly with a stainless steel trowel, pressing it firmly onto the substrate. Work should start from the ceiling, applying the compound in strips from the window into the room and pulling the trowel towards you, while on the walls the compound is applied in a floor-to-ceiling direction, leading the trowel from the bottom upwards. The maximum thickness of one layer should not exceed 5 mm. Any inaccuracies should be thinly filled again and sanded after drying. When installing prefabricated gypsum products, e.g.: wall panels, the mud should be applied tongue and groove in such a way that part of the mortar flows out when the next board is placed. Spread the resulting excess mortar with a metal trowel over the surfaces and fill in any defects.



RECOMMENDATIONS FOR SURFACE TREATMENT

During drying, avoid direct sunlight and draughts and ensure that the rooms are properly ventilated. The drying time of the leveling 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 1 kg is used for smoothing at² 1 m with a layer thickness of 1 mm.

PACKAGING

Paper bags: 2 kg.

Paper bags: 15 kg, 20 kg, 25 kg.

TOOLS

Slow-speed drill with agitator, flexible plastic bucket, stainless steel plastering tools (steel trowel, spatula, trapezoidal trowel), sandpaper or abrasive 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 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

Mixing ratio Water / dry mix	approx. 0.70 l per 1 kg approx. 1.40 l per 2 kg approx. 10.50 l for 15 kg approx. 14.00 l per 20 kg approx. 17.50 l per 25 kg
Pot life	approx. 60 minutes
Conditions during the work	substrate and ambient temperature from +5° C to 25° C, room humidity up to 70%.
Start of the setting time	minimum 20 minutes
Adhesion to the ground	≥ 0.1 N/mm ²
Bending strength	≥ 1,0 N/mm ²
Compressive strength	≥ 2.0 N/mm ²
Maximum thickness of one layer	5 mm

TECHNICAL REQUIREMENTS

The product is a construction product for which the technical specification is the harmonised European standard EN 13279-1:2009 - Gypsum plaster for rendering walls and ceilings inside buildings - excluding walls, ceilings and linings intended to protect constructions against fire and/or in fire compartments in buildings (EN 13279-1 - B1/20/2).

DOLINA NIDY GIPS SZPACHLOWY (2019) Declaration of Performance No. EC 03/1/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
- appropriate substrate and ambient humidity and temperature
- recommended care

The manufacturer will not be held responsible for any consequences arising from 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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Table - detailed requirements for substrate preparation

Substrate type	Requirements	Preparation	Method of priming
cement and cement-lime plasters	seasoned for approx. 2-4 weeks, substrate moisture content less than 3% (as determined by the CM method),	Clean the surface of dust, dirt, oil, grease, residues of paint coatings, etc. Loosely bonded parts of the substrate or mortar should be chipped, and clean any loose fragments with a wire brush.	Recommended to use EURO-GRUNT Primer. Apply the preparation with a paint brush, brush or roller. Allow to dry completely (approx. 12 h, depending on external conditions).
gypsum plaster, prefabricated gypsum products (blocks)	seasoned for 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, substrate moisture less than 3% (determined by CM method)	Clean the surface of dust, dirt, oil, grease, paint residues and release agents. Loosely bound parts of the substrate should be chipped and cleaned of dust.	Recommended to be primed with INTER-GRUNT White Primer. Apply the preparation with a paintbrush, brush, or painting roller. Leave it to dry completely (approx. 24 h, depending on external conditions).