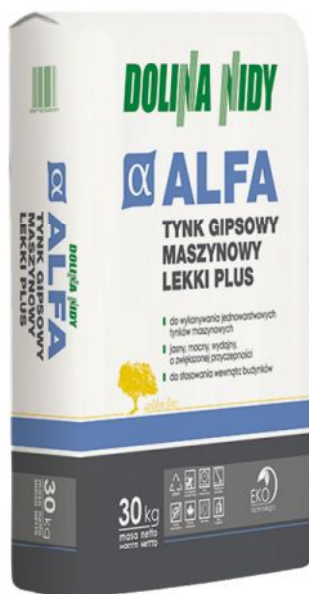


MACHINE-APPLIED LIGHT PLUS GYPSUM PLASTER ALFA



USE

Machine-applied Light Plus Gypsum Plaster ALFA is designed for indoor execution of gypsum plasters onto walls and ceilings, in rooms of standard air humidity including the kitchens and bathrooms. Can be used on substrates made of ceramic elements, sand-lime bricks, normal and cellular concrete as well as cement particle boards. The mortar should not be used on metal, wooden and plastic substrates.

PROPERTIES

Machine-applied Light Plus Gypsum Plaster ALFA is a modern factory-made mortar based on synthetic gypsum, light mineral fillers and chemical additives. In combination with the machine application guarantees fast progress of plastering work and reduction of its cost. The plaster is characterised by high yield, high mechanical strength and adhesion. The plaster surface is light in colour, even, smooth and appropriately hard, therefore more resistant to the conditions of everyday room usage. It provides a perfect substrate for painting, wallpapering and tiling. The use of a

gypsum plaster ensures favourable room microclimate, with beneficial influence on human health and well-being. The plaster coat is additionally characterised with favourable thermal insulation parameters and full fire resistance (class A1).

SUBSTRATE PREPARATION

The substrate should be stable, dry, free of bloom and cleaned of impurities which might reduce the gypsum adhesion, particularly of dust, dirt, form oils, greases, remains of paint coatings and anti-adhesion agents. Poorly adhering substrate elements should be hacked off, loose dusty fragments additionally cleaned with the use of a card. The substrate should be properly aged and its humidity must not exceed 3%. Very absorbent and porous substrates (cellular concrete, sand-lime and ceramic bricks) should be primed with one of the priming agents EURO-GRUNT. In case of smooth substrates or those of low absorptiveness (concrete), use the priming agent INTER-GRUNT. Any steel elements, which might contact the plaster directly, should be protected against corrosion. Frozen substrates must not be plastered.

MORTAR PREPARATION

Machine – applied Light Plus Gypsum Plaster ALFA is prepared for use and applied with plastering units.

APPLICATION

Spray the plastering mass of plastic consistency onto the substrate, in horizontal overlapping stripes, from the top to the bottom. Recommended minimum thickness on walls and ceilings – 8 mm, maximum thickness on walls – 30 mm, maximum thickness on ceilings – 15 mm. Breaks during the mass application may last up to 20 minutes maximum. In case of longer pauses, empty and clean the unit, tools and hoses. Once applied, the mortar should be initially evened with a “H-type” darby, led along first, then from the bottom to the top of a wall. Any cavities should be regularly filled with additional mortar from the unit or manually with the use of a stainless plastering trowel and levelled. When the mortar partially sets, i.e. after approx. 80 – 120 minutes, the plaster plane and corners should be formed with the use of a feather edge or a long float, and minor cavities or irregularities, if any, filled with a stainless plastering trowel. Appropriately set plaster should be misted and floated with a sponge float in order to “extract” bleed water onto the surface. Once it becomes matt, it should be uniformly spread upon the whole surface with a long float. Caution! Plasters planned to be covered with ceramic tiling should be floated “rough” with a sponge float. In other cases, the surface smoothing gives smooth surface with fine pores. During the first 24 hours after application, the gypsum plaster should not be exposed to draught or direct sunlight. Next, it is

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recommended to ventilate the rooms thoroughly, which greatly facilitates the plaster drying. The drying time depends on the plaster thickness, temperature and humidity of a room. It can be assumed that the plaster of thickness of 15 mm, in a properly ventilated room and temperature above 15 °C, dries approx. 14 days. The plaster surface must dry properly before any subsequent cladding or painting works.

CONSUMPTION

The average consumption is approx. 0.75 kg per 1 m² for coat thickness of 1 mm.

TOOLS

Plastering unit, "H-type" darby, feather edge, level, stainless steel plastering tools (long float, steel float, angular trowel), corner plane, sponge float. Clean the tools with water, directly after use.

PACKAGES

Paper bags 30 kg.

Pallet: 1,200 kg.

STORAGE AND TRANSPORT

Shelf life is 3 months from the production date given on the bag. Transport and store the product in tightly closed bags, on pallets, in dry conditions. Protect against humidity. Incoherence with recommendations listed above may impact the product working parameters.

TECHNICAL DATA

Mixing ratio:	ca. 0.64 l of water for 1 kg of dry mix ca. 19.2 l of water for 30 kg of dry mix
Yield:	100 kg of gypsum = ca. 130 l of mortar
Pot life:	240 ±30 minutes (depending on storage period and conditions, room temperature and humidity)
Beginning of setting:	> 50 minutes
Conditions during plastering:	substrate and ambient temperature: +5 °C and +25 °C, room humidity: up to 70%
Bonding to the substrate:	≥ 0.1 N/mm ²
Flexural strength:	≥ 1.3 N/mm ²
Compressive strength:	≥ 3.0 N/mm ²
Bulk density:	approx. 800 kg/m ³
Specific gravity:	approx. 900 kg/m ³
Minimum coat thickness:	8 mm
Maximum coat thickness on a wall:	30 mm
Maximum coat thickness on a ceiling:	15 mm

Standard marking	Light gypsum plaster for plastering walls and ceilings EN 13279-1- B4/50/2
Use	Indoors
Reaction to fire	Class A1
Airborne sound insulation	NPD

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Thermal resistance	NPD
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Conforms to the requirements of PN-EN 13279-1:2009 standard.

Declaration of Performance no. EC 26/CPR.

The product has been given the hygiene certificate no. HK/B/0124/01/2015 issued by the Polish National Institute of Hygiene and the radiation hygiene certificate no. HR/B/104/2011.

NOTE

Irritant. Irritating to eyes. Keep out of the reach of children. Do not breathe dust. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not empty into drains. Wear suitable protective clothing and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to building principles and OHS regulations. At the time of publication of this product data sheet all previous ones become void.