

TERAFLEX® GYPSUM FILLER

for application of plastering mortars on walls and ceilings indoors, producing smooth surfaces with extreme whiteness, for layer thickness up to 10 mm

Scope of use

TERAFLEX® GYPSUM FILLER is suitable for plastering and smoothing inner walls and ceilings made by concrete, aerated concrete, gypsum boards, lime mortar and all types of rough coats, brick masonry and others. It is suitable for use on gypsum fiberboards and felt.

It is applied when smoothing irregularities with up to 10 mm per layer. The covering made with it distinguishes with saturated and solid white colour and great smoothness. It has great crack resistance, high strength parameters and hardness and may be used as a finishing coat. The mixture is suitable for bonding gypsum cornices and ornaments. For indoor use in dry premises without moisture.

After drying the plastered surface may be painted with water-dispersible or organic paints. When painting in light colours that reduces the paint consumption with up to 30%.

For attaining extremely smooth plastered surfaces it is recommended to use the super fine gypsum filler TERAFLX® WHITE SATIN. All surfaces in wet premises or outdoors should be plastered with TERAFLX® CEMENT FILLER or TERAFLX® WHITE CEMENT FILLER.



Properties

extreme whiteness and smoothness	strengthens fast
high crack resistance	high filling power
very good adhesion to the base	easy application, without scratching

Composition

White homogenous gypsum based mixture, modified with high tech polymeric additives.

Packaging and Indicative consumption

Package:

25 kg paper bags.
10 kg paper bags.
5 kg paper bags.

Indicative consumption:

around 1,2-1,4 kg/m² for 1 mm layer

Expiration date and Storage

Store and transport in tightly sealed original packaging in dry environment (best on pallets). Keep away from moisture!

The product is good for use 12 months after production date of an unopened original packaging.

Instructions for Use

Base Preparation

TERAFLEX® GYPSUM FILLER sticks to all mineral bases, which are strong, bearing and do not contain separating substances (grease, bitumen, dust). The base should be clean, dry and stable. All flimsy areas and layers with low mechanical strength should be preliminary removed from the base. Greater irregularities should be smoothed with TERAFLX® CONSTRUCTION ADHESIVE one day prior to plastering. Strong paint coats should be preliminary roughened with sand paper and made dust-free. Lime paints and clearcole must be removed completely. When plastering at temperatures above 27°C, surfaces should be slightly wetted in advance.

All highly absorbent bases (anhydrite screeds, aerated concrete blocks, gypsum slabs, gypsum-based mortars) should be primed with POROGRUND® – POROUS BASES PRIMER at least 4-5 hours prior to plastering. Priming is not necessary for gypsum boards, cement plasters and screeds (applied at least 1 month earlier), concrete (poured at least 3 months earlier).

Mixture preparation

In a clean stainless steel container pour around 7,5 l of clean water without additives and gradually add the bag's content (15 kg) to it. The mixture should be stirred with low-speed electric drill (400-800 revolutions per minute) until reaching homogenous mass without lumps. If needed add water or dry mixture for attaining necessary density. Leave to mature for about 5 min, while all additives dissolve completely and then stir again. The consistency of the mixture depends on the conditions on the construction site and the application technology. **It must be the same for the whole working site.** The ready-made mixture is all set for work and maintains its properties for about 40-50 minutes at 20-25°C.

Do not mix with gypsum, cement, sand and other materials because that causes extreme deterioration of the qualities of the plastering mortar!

Application

The ready-made solution should be applied on a uniform layer with a plastering-knife or a smoothing trowel and it should be smoothed out right before the material hardens. After the first layer hardens, in order to attain fine finishing coat, a second layer might be applied with more diluted or might be used the super fine gypsum filler TERAFLX® WHITE SATIN. After drying, the surface might be polished with fine sandpaper and then made dust-free with a soft brush.

When using TERAFLX® GYPSUM FILLER for bonding decorative cornices and ornaments, the solution should be applied on spots on the base. The element should be placed in the desired position and pressed hard on. The excess material should be removed.

On certain areas the plastering mortar might be reinforced with fiberglass mesh. The unused mixture, which has already hardened cannot be mixed with water again and should be thrown away. The plastered surface can be used and worked on only after its complete drying.

Attention!

Plastering should be performed in dry weather at temperature of the base and environment from +5°C up to +30°C and air humidity below 65%.

Do not use instruments with rust, dirt or traces of other substances (paint, hardened plaster, solvents and others)!

The time period for complete hardening of the plastering mortar depends on the weather conditions (temperature and air humidity), but is not less than 1 day for every 5 mm layer.

The freshly applied plastering mortar should be kept from freezing and direct sunlight!

Hazard description:

Does not contain dangerous chemical substances!

Hazard symbol:

Xi – Irritating product.

Risk and Safety Statements	
R 36/37/38	Irritating to eyes, respiratory system and skin
S08	Keep container dry
S 24/25	Avoid eye and skin contact
S 22	Do not breathe dust
S 29	Do not empty into drains

Classification

Complies with the requirements of European and Bulgarian standards and measures up to:

European Standard	Class	Testing protocols
EN 13279-1	B4/20/2	№ 450/27.05.2011

Technical data

Testing protocols are issued by Notified Body (NB 1950) for compliance evaluation with Research Institute of Building Materials NIISM Ltd., Sofia.

Parameter	Measure	Testing method	Testing result
Mixing proportions (water/dry mix)	%	EN 13279-2	55,0
Setting time - beginning	min	EN 13279-2	25,5
Bending tensile strength	N/mm ²	EN 13279-2	4,8
Compressive strength	N/mm ²	EN 13279-2	12,2
Adhesive strength	N/mm ²	EN 13279-2	1,0
Content of gypsum binder (as CaSO ₄)	%	EN 13279-2	92,63
Reaction to fire	-	EN 13279-1	class A1

The information contained in the current document is based on our knowledge and recent technical achievements and experience that we have at the time of the last version. The technical recommendations concerning application that we offer in order to facilitate buyers and those working with our products are non-binding and are neither grounds for legal contract relations, nor for additional obligations resulting from the purchase contract. They do not dispense buyers from the necessity to verify products' application according to the instructions for every specific use. We as manufacturers guarantee the quality of the product, but cannot influence the circumstances and methods of its use. Application of the product should be performed by qualified personnel.