

TERAFLEX® CONSTRUCTION GYPSUM

fast-setting multifunctional construction gypsum for instant fixation of details and filling up roughnesses, hollows and holes after finishing and electric works

Scope of use

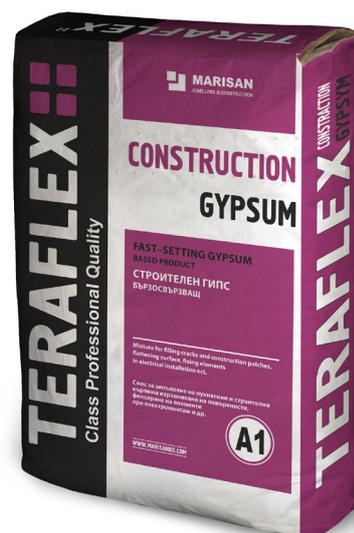
TERAFLEX® CONSTRUCTION GYPSUM is a fast-setting gypsum based product, widely used for direct application on interior walls and ceilings of concrete, lightweight concrete, gypsum board, plaster, rough coating, brickwork, gypsum fiberboard, felt and others.

The fine structure of gypsum provides quick and high quality leveling of the base as well as filling up roughnesses and holes immediately after application. The properties of the product provide an excellent adhesion to many different surfaces such as concrete, lime-cement plasters, existing old plaster and others.

The product is distinguishable for its quick release of moisture, perfect whiteness and strength of the final coat and ensures acquiring perfectly smooth surfaces, quickly and easily without unnecessary consumption rate.

TERAFLEX® CONSTRUCTION GYPSUM is intended for indoor use in dry places, for filling up roughnesses, holes and joints. It is particularly suitable for repairs of electrical installations and provides instant fixation of multiple elements in electrical installation works and repairs, as well as for corner bead profiles.

It is used for finishing works in construction, for repairs in pre-painting preparation, mortaring onto rough plasters or other substrates with normal loading capacity.



Properties

fast-setting natural gypsum	perfect whiteness and smoothness
high resistance to cracking	excellent filling properties
high adhesion with the base	ease of use and good workability

Composition

White homogenous gypsum based mixture, modifiers and special additives.

Packaging and Indicative consumption

Package:

5, 15, 25 kg paper bags.

Indicative consumption:

about 0,9 kg/m² for 1 mm layer

Application rate is average and highly depends on the type and the structure of the base!

Expiration date and Storage

Store and transport in tightly closed original packing in a dry and cool place (preferably on pallets).

Avoid direct contact with the ground! Keep away from moisture! The product is good for use 12 months after production date in unopened original packing.

Instructions for Use

Base Preparation

TERAFLX® CONSTRUCTION GYPSUM adheres to various bases that are firm and do not contain separating substances (grease, bitumen, dust). The base should be clean, dry and stable. Remove preliminary all unstable parts and layers with low mechanical resistance. The hard base of oil paint should be well processed with sandpaper and the dust must be removed afterwards. Clearcole and lime-based paint must be removed completely.

When applying at temperatures above 27°C, the surfaces must be wetted in advance.

Do not apply at air temperatures below 5°C and above 30°C!

Mixture preparation

In pure stainless vessel pour clean water, free from impurities and gradually add TERAFLX® CONSTRUCTION GYPSUM to it in a ratio of 1 kg. of dry mixture and 700 g. of water.

Do not add an additional amount of dry mixture to the already stirred solution because it leads to the formation of lumps!

Do not mix with gypsum, cement, sand and other materials!

Stir the mixture with a low rev electric mixer (400-800 rpm) until obtaining a homogeneous mixture without lumps. If necessary add water or dry mixture to achieve the required density.

The consistency of the solution has to be prepared in accordance with the site conditions and the application technology. It must be the same for the entire worksite!

Prepare only a batch that can be used within 8 minutes!

Application

Apply the prepared mixture as even layer over the surface by putty knife or finishing trowel and smooth out shortly before the material hardens completely. The solution can be applied at a thickness of several centimeters.

After hardening of the first layer, in order to obtain a fine finish coat, a second layer with a more liquid consistency can be applied. After drying, the surface can be polished with fine sandpaper and then thoroughly cleaned with a soft brush.

A mixture that has already hardened can not be re-mixed with water and has to be discarded!

Attention!

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

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

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

Dirty tools and containers reduce the working time with the material!

Application of paint or other materials on the surface can be made only after complete hardening and drying of the gypsum!

Prepare only a batch that can be used within 8 minutes.

A mixture that has already hardened can not be re-mixed with water and has to be discarded!

Hazard description:

Does not contain dangerous chemical substances!

Classification

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

European Standard	Class	Testing protocols
EN 13279-1	A1	№ 434-3-118 / 12.08.2013

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 ratio (water/dry mix)	%	EN 13279-2	70
Grain size (residue on 0.2 mm screen)	%	EN 13279-2	0,2
Tensile strength in bending	N/mm ²	EN 13279-2	≥ 5
Compressive strength	N/mm ²	EN 13279-2	≥ 20
Content of gypsum binder (as CaSO ₄)	%	EN 13279-2	≥ 50
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.