

Page:
Product:
Revised:
Printed:

1 of 4
TERAFLEX® JOINT FILLER
FOR GYPSUM BOARD
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TERAFLEX® JOINT FILLER FOR GYPSUM BOARD

modified gypsum based mixture with high strength and extended open time, for filling, leveling and mortaring gypsum board, gypsum fiberboard, etc.

Scope of use

TERAFLEX® JOINT FILLER FOR GYPSUM BOARD is modified gypsum based product, designed for manual filling, leveling and mortaring joints, used for installation of gypsum boards, gypsum fiberboards et cetera, as well as their overall mortaring. It is also applicable for grouting gypsum blocks and interior decorative moldings and ornaments.

The modifiers inside the product quickly absorb added water and therefore, preventing its penetration into the structure of the joint. The solution has thick and elastic consistency with constant volume. It does not form lumps and eases mortaring and handling. The extended open time ensures enough time for processing and provides full usage of the solution.

TERAFLEX® JOINT FILLER FOR GYPSUM BOARD has high adhesion and excellent filling properties. The modifiers in the mixture increase the strength and flexibility of the final coat and its resistance to cracking. The fine structure and the special composition of the product provides the necessary smoothness of the filled joint as well as its smooth sanding and final painting.



Properties

increased strength and flexibility after drying	water regulating capacity
improved crack resistance	thick and elastic consistency without lumps
high adhesion with the base	easy mortaring and sanding
excellent filling properties	extended open time with the solution

Composition

White homogenous gypsum based mixture, modifiers and special additives.

Packaging and Indicative consumption

Package:

5 kg paper bags.

Indicative consumption:

about 0,5 kg/m² for 1 mm layer

Application rate is average and highly depends on the width of the joint and the type of application!

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® JOINT FILLER FOR GYPSUM BOARD 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.

Gypsum board panels must be installed securely to the supporting structure and the joints between them must be clean and dust free.

Do not work with the product at temperatures of air and surface below 10°C and over 30°C!

Mixture preparation

In pure stainless vessel pour clean water, free from impurities and gradually add TERAFLX® JOINT FILLER FOR GYPSUM BOARD to it in a ratio of 1 kg. of dry mixture and 500-600 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. Allow it to homogenize for about 3-5 minutes until complete dissolution of all components and then stir again.

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!

The resulting solution is ready for application and retains its properties for about 70-80 minutes at 20-25°C.

Application

Apply the solution tightly and securely along the joint and place fiberglass or paper reinforced tape. Press the mesh until its side edges sink in a layer with thickness of about 1 mm. The heads of the fasteners must also be mortared.

Do not apply second layer of joint filler immediately onto the applied mesh! The second layer is applied after complete drying of the previous one!

In about 10 hours (depending on the ambient temperature) perform additional grouting thus leveling both surfaces of the gypsum boards without transition.

Avoid piling up of material! Excess mixture must be removed mechanically! Any unevenness formed during mortaring must be sanded after drying.

A mixture that has already hardened can not be re-mixed with water and has to be discarded! A product that is subsequently mixed with water leads to joint cracking!

Attention!

Apply only in dry weather at temperature of the base and environment from +10°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 joint filler!

The surface must be preliminary primed before applying the final coat or wallpapers.

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 13963	3 B	№ 222-3-73/02.06.2014

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
Grain size (residue on 0.2 mm sieve)	%	EN 13963:2005	< 1
Setting time	min	EN 13963:2005	150 ±0,16
Tensile strength (at breaking load)	N	EN 13963:2005	21 ±0,10
Tensile adhesive strength	N/mm ²	EN 13963:2005	≥ 0,25
Cracking resistance	mm	EN 13963:2005	≤ 50
Reaction to fire	-	EN 13501-1:2007 +A1:2009	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.