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TERMOFLEX® MOSAIC
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TERMOFLEX® MOSAIC

decorative paste-like mosaic plaster
with high strength and resistance to bad weather conditions,
UV-rays and aging



Scope of use

TERMOFLEX® MOSAIC is a ready for use, thin layer paste-like mosaic plaster, which consists of crushed mosaic and granite particles with different shape and size, flowing into a diverse range of colours. It is designed for creating protective and decorative coatings on old and new mineral bases (cement, cement plasters and mortars, prefabricated concrete elements, gypsum-based mortar, gypsum board, gypsum fiberboard, etc.) with which it has an extremely strong adhesion.

The great mechanical strength of the mosaic plasters, as well as their resistance to water and cold weather guarantee the durability of the performance of the applied layer on vulnerable areas, which are subjected to a high flow of people, variable weather conditions and significant mechanical impact.

TERMOFLEX® MOSAIC is recommended for implementing the wall base and the elements in the lower stretches of the building as well as elements of building, which are undergoing prolonged exposure to household moisture and atmospheric humidity, for example walls of open terraces and balconies.

The plaster can be used for decorative designs of architectural details, accents and ornaments at same time as for exterior and interior of buildings. It is suitable for surfaces in commercial and office spaces, meeting rooms, conference rooms, waiting rooms, shops and other places where there is an increased movement of people who often lean on or touch the walls. In such places it is necessary that the finishing coat is resistant to mechanical pressure and colour change, fading, discolouration and cleaning. It is recommended for installation in hallways, stairways and foyers.

TERMOFLEX® MOSAIC is used as finishing coating in integrated thermal insulation systems TERMOFLEX® CLASSIC and TERAPOR® ULTRA and is suitable for both new and old buildings – in the process of retrofitting or improving their insulation or facade.



Properties

high water repulsion qualities	water vapour permeability
resistance to mechanical pressure	high adhesion to many types of surfaces
high resistance to bad weather conditions and UV-rays	resistant to defilement, discolouration and aging

Composition

Homogeneous paste-like mixture on the base of acrylate dispersion, modified with high quality hydrophobic additives, organic binding substances and mineral fillers.

Packaging and indicative consumption

Package:

Plastic package of 25 kg.

Indicative consumption:

type of plaster	consumption
particle size (1,5 mm)	3,5 - 4,0 kg/m ²

The consumption depends highly on the flatness of the base.

Expiration date and storage

Store and transport in tightly sealed original package in dry and cool place (best on pallets), with no danger from freezing. Keep away from moisture!

The product is good for use 12 months from the production date in unopened original package.

Instructions for use

Preparation of the base

TERMOFLEX® MOSAIC is used on all kind of mineral bases, which are solid and supporting and do not contain any separating substances (grease, bitumen, dust). The base should be clean, dry, load-bearing, flat and with complete processes of shrinking. The temperature of the base should not be lower than +5 °C.

When repairing old plaster all disjointed easily detachable parts of plaster and paint residues should be removed from the base. The cleaned old plaster should be repaired with new plaster that must have the same structure and hardness as the old one. The coarse basic plaster can be flattened with leveling plaster.

At least 8 hours before applying the plaster the base should be treated one time with plenty of primer for plaster. TERMOFLEX® COLOUR PRIMER, which has a colour close to the colour of the plaster. Highly adsorption surfaces should be primed in advance with POROGRUND® - PRIMER FOR POROUS BASES prior to their treatment with TERMOFLEX® COLOUR PRIMER.

The moisture penetrating from the base can cause serious damage to the building structure and therefore the premises and places that are exposed to moisture should be waterproofed and so that you can install a hydro insulation system HYDRO and SPLIT PROTECTION².

Preparation of the mixture

TERMOFLEX® MOSAIC is ready for use! Before use stir well at low speed with a mixer! If possible prepare amount for the whole area as in a large container mix the content of a few buckets of plaster.

Do not dilute with water! Do not mix with other products!

Method of work

TERMOFLEX® MOSAIC is applied to the concrete base with stainless steel trowel (at an angle of 45° from the base), then pulled out over the entire surface at a thickness up to 1,5 times the size of the grain. After about 10 minutes the plaster is structured as the pebbles are flatted and compacted without pores, closely next to one another. If necessary the flattening can be done repeatedly.

Only wet material is structured! Work evenly and without interruption!

The plastering is performed on an entire wall without interruption using materials with the same density and the same batch number. When using plasters from different batches it is necessary they are mixed before applying!

In case it is necessary for the work to be interrupted a paper masking tape should be put on the line where the work is going to be interrupted, to lay and structure the shape of the plaster and to peel off the tape. After the pause the work must continue from the same place, as the edge of the implemented and already dried plaster can be protected by putting paper masking tape on.

Decorative elements made of plaster with different colours are formed by covering and fencing the individual sections with paper masking tape. Immediately after applying the plaster the tape is removed. After drying, on the contours of the already plastered part should be put protective film and then the next colour plaster can be applied, without dirtying the already finished surfaces. The tape is removed immediately after applying the plaster!

Attention!

Applying the plaster should be done in dry weather at temperature of the base and environment of +5°C to +30°C and air humidity below 65%.

Do not reuse contaminated material!

Fresh plaster should be kept from freezing for 24 hours!

The applied plaster on the facade should be kept away from direct sunlight, rain or strong wind (for example with facade mesh)!

The high air humidity and low temperatures can prolong significantly the time required for drying and to change unevenly the colour.

Colour uniformity can be achieved only within a single production batch!

The development of the colour tone depends on the base, the temperature and the air humidity!

If used on integrated thermal insulation systems, the value of the relative coefficient of reflection of the colour cannot be under 25!

The antifungal additive in the plaster protects or slows down the action of fungi and molds, but cannot guarantee the long-lasting effect against their growth!

Hazard description:

Contains:

1,2-benzisothiazol-3(2H)-one,
 1,2-benzisothiazolin-3-one (**2634-33-5**).

May cause an allergic reaction!

Precautionary phrases	
P102	Keep out of reach of children.
P262	Do not get in eyes, on skin or on clothing.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.

Hazard symbols:

There are no.

Technical data

Testing protocols are issued by Construction Materials Testing Laboratory by Marisan and Kolev Ltd – Ruse.

Indicator	Measure	Testing method	Standard	Testing result
Density at paste-like form	kg/l	Company specification 31-2002	-	1,70
Resistance to water vapour permeability (μ)	-	Company specification 31-2002	-	120,00
Tensile strength of adhesion (to concrete after 7 days)	MPa	EN 1062-3	-	1,40
Minimal temperature of film forming	°C	EN 13497	-	5,00

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 our last version. The technical recommendations concerning the application, which 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.