Starlike® Decor

EPOXY DECORATIVE FINISH FOR INTERIOR WALLS

DESCRIPTION

Starlike® Decor is an innovative system for the creation of low thickness decorative interior wall finishes, based on the technology of the Starlike® EVO epoxy grout.

ADVANTAGES / FEATURES

The main advantages of Starlike® Decor are:

Surface chromatic effect similar to grouting performed with the Starlike® EVO epoxy grout. It is therefore possible to create color matches between surfaces in ceramic and porcelain tiles or vitreous mosaics grouted with Starlike® EVO and the surrounding wall finishes decorated with Starlike® Decor.

Using different application methods for Starlike® Decor, it is possible to create special and customizable exclusive chromatic and decorative effects on surfaces.

By overlapping the different color shades in subsequent applications, infinite color combinations can be achieved.

Starlike® Decor is easy and fast to apply. Using suitable equipment, it is possible to quickly obtain highly prestigious aesthetic finishes.

Since this is a low thickness finish, consumption is reduced and therefore also the cost of the operation.

With Starlike® Decor it is possible to decorate vertical surfaces such as rough cement plasters, gypsum panels, lightweight panels, wood panels and to overlay pre-existing ceramics or mosaics.

Ideal for spas, saunas and Turkish baths.

PACKAGING

1.8oz (50 g) package (boxes with 60 pcs) 2,645.5lb (1,200 kg) standard pallet
4.4oz (125 g) package (boxes with 25 pcs) 1,058.2lb (480 kg) standard pallet

INTENDED USE

Intended uses

Interiors
Floors and walls
Underfloor heating
Overlaying on existing floors and coverings in ceramic, porcelain stoneware, mosaics, agglomerates, natural stones
Residential, public, commercial building
Indoor wet areas (bathrooms, shower enclosures)
Spas, saunas and Turkish baths

Suitable substrates - Multifonod EVO on:

Concrete
Normal and waterproof gypsum
Skim coats
Lightweight panels (such as WEDI-SCHLÜTER).
Fiber cement slabs (such as Aquapanel)
Underfloor heating systems
Existing coverings in ceramic, porcelain stoneware, mosaics, agglomerates, natural stone and wood
Rough cement plaster
Gypsum and anhydrite
Wood panels
Metal
Smoothed concrete
Fiberglass

RESIN DECORATIVE SYSTEM PLANNING

The only way to guarantee the long-lasting performance of resin decorative systems is to properly plan the process. It is therefore advisable to consult the national regulations in force in each country, for example standard UNI 10966 for Italy, which defines the planning and installation criteria for resinous systems for interior and exterior horizontal and vertical surfaces.

Some of the general precautions that need to be followed are listed below as an example.

ANALYSIS OF SUBSTRATE

Vapor barrier/retarder
Make sure the vapor barrier or retarder has been properly positioned under the substrate and is able to prevent rising damp that may damage the resin covering.
Curing
In order to be considered dimensionally stable, a substrate must be sufficiently cured.
Indicatively, concrete substrates need about 6 months to cure, screeds or cement plasters need about 7 days per centimeter (inch) of thickness, and ready-mixed products depend on the manufacturer's instructions.
Integrity and compactness
Assessed by visual inspection. A cement screed must be consistent and compact for its entire thickness.
The substrate must show no signs of cracks or rifts, nor of any brittle parts becoming detached.
Any cracks must be sealed using epoxy mortars, while the loose parts must be removed and the surface repaired using suitable cementitious levelers or skim coats.
In the case of pre-existing floor or wall coverings composed of ceramic and porcelain tiles, agglomerate or natural stone coverings, a tap test must be performed to check for proper adhesion.
No hollow points must be found when the surface is tapped. Any loose material must be removed.
Surface resistance
Its evaluation is very important insofar as surface layers that are not suitably resistant may cause the resin covering to detach.
An empirical assessment consists in etching the surface with a steel nail so as to form approximately 2 x 2 cm (0.79 x 0.79in) squares.
The surface resistance is considered acceptable if the incisions are not deep and do not produce a crumbling effect.
The surface resistance of a cementitious substrate can be repaired using suitable impregnating and consolidating primers, after first evaluating their compatibility with the resin covering.
Planarity
The substrates must not have any irregular curves, whether concave or convex, greater than 3 mm (0.12in).
Planarity is tested in various points of the surface by resting a 2 meter ruler on the surface and measuring the tolerance with a thickness gage.
Any deviations can be corrected with suitable self-levelling or smoothing products.
Surface finish
In general, substrates on which a low thickness resin covering will be applied must be smooth or have a maximum roughness of ± 1/16" (± 1 mm).
Humidity content
The maximum humidity value allowed for the substrate is 3-3.5% for a cementitious substrate and 0.5% for an anhydrite screed.
Cleaning
The surface of the support must always be clean, free from contaminating agents such as cement laitance, grease, release agent oils, residues of varnishes, paints, adhesives, etc.
In the presence of these contaminants, it is necessary to remove them with suitable detergents or mechanical means depending on the nature of the substrate and the type of dirt.
Treating of joints
Any joints must be scrupulously planned and treated.
They can be of different types, but fall into one of two categories: static or dynamic joints.
The former must always be grouted with Multifondo EVO and reinforced with 2 x 2 mm (0.079 x 0.079in) mesh.
Dynamic joints, insofar as structural joints, must be respected (these can be closed using mechanical joints or elastomeric sealants).

CHOICE OF SUITABLE RESIN SYSTEM
A resin system must be chosen based on the client needs and in line with the future intended use of said system.
It is therefore necessary to consider: the type of mechanical stress to which it will be subjected, the type of chemical agents and frequency with which it will come into contact with them, and the possibility of wet areas such as bathrooms or showers.

PREPARATION OF SUBSTRATES

The substrates on which the Starlike® Decor will then be applied must be clean, solid, non-dusty, properly cured, dry and flat.
Suitable substrates are rough cement plaster, gypsum, concrete after preliminary treatment with Primer C.
Any varnishes, paints or enamels must be removed including the underlying civil finish, and Primer C must be applied before applying the base coat.
Lime-, cement- or gypsum-based surface finishes applied with a low thickness must be removed and the substrate must be treated with Primer C.
In the case of application on rough cement plasters, concrete, gypsum panels, lightweight panels and wood panels or waterproofing systems, use the two-component epoxy base coat Multifondo EVO, applied with a smooth steel trowel to create a consistent leveling layer about 1/24" (1 mm) thick.
In case of overlaying on pre-existing ceramic or mosaic coverings, apply the Multifondo EVO product directly on the clean substrate in 2 perpendicular coats applied approximately 12 hours apart. The base coat allows you to obtain a

white surface with consistent absorption by the substrate for the subsequent application of Starlike® Decor.
In the case of slightly irregular supports, it may be necessary to apply an additional coat of Multifondo EVO in order to even the surface.
Once the leveling layer has been created with Multifondo EVO, wait 12 hours for it to set before sanding the surface to eliminate any ridges or unevenness.
Manually or mechanically sand with 60-grit clear sandpaper, making sure to remove the dust formed at the end of the operation.
Once the consistency and planarity of the surface has been checked and it is completely dry, Starlike® Decor can be applied.
For the application of Multifondo EVO, consult the relative technical data sheet.

MIX RATIO

Packages pre-batched for 2.2 - 5.5lb (1.0 - 2.5 kg) packages of Starlike® EVO.

PREPARING THE MIX

Mix the catalyst (part B) with the colored paste (part A) of Starlike® EVO packaged in the 2.5 kg (5.5lb) bucket, using an electric drill with mixing paddle, until a consistent mix is obtained without lumps.
Pour the third Starlike® Decor liquid component pre-batched for the 2.5 kg (5.5lb) package of Starlike® EVO and mix using an electric drill with mixing paddle at low speed until a consistent mix is obtained.
Gently pour into the mix any second pre-batched component consisting in the Spotlight, Gold and Night Vision finishes, or the additives in the Metallic Collection series (Platinum, Shining Gold, Bronze, Copper, Rusty), mixing slowly and incorporating it consistently.

APPLICATION

Starlike® Decor can be applied to the substrate previously prepared with Multifondo EVO using different methods to obtain different aesthetic effects on the surface.

CLOUDY EFFECT

Develop a minimum skim coat first with Starlike® Decor using a smooth plastic trowel (Art.103 PRO), making sure not to leave any ridges or evident trowel marks.
Apply another coat following the same procedure after approximately 24 hours.

OPAQUE EFFECT

It is possible to proceed with the application of at least 3 or more coats with a smooth plastic trowel (Art.103 PRO), each 24 hours apart to obtain the most even coloring.

SPATULA EFFECT

Apply a first “zero” skim coat of Starlike® Decor to create a uniform, colored base.
Apply a second irregular coat of Starlike® Decor with a smooth trowel creating variable thicknesses from 1 to 2 mm (0.039 to 0.078 in).
In this case the imperfections characterize the decoration.

TWO-COLORED SPATULA EFFECT

Apply Starlike® Decor irregularly with a smooth trowel, creating a variable thickness from 1 to 2 mm (0.039 to 0.079in), and once dried, sand the ridges to smooth the surface.
Remove any dust and then create a minimum skim coat in the same color or any color of choice, using a rubber float (Art. 104/G).

APPLICATION OF HYDROLUX EVO POLYURETHANE PROTECTIVE FINISH

We always advise additional surface protection with Hydrolux EVO polyurethane topcoat.
Applying even a single coat of Hydrolux EVO, in addition to improving stain resistance, also brightens the color of Starlike® Decor finishes and enhances any additives added to the product such as Spotlight or Gold, creating a transparent film on the surface.
In the event of applications in wet environments such as showers, saunas and Turkish baths, apply at least two coats of Hydrolux Evo 3-4 hours apart.
For the application of Hydrolux EVO, consult the relative technical data sheet.

FOCUS

Any additives (Spotlight, Gold and Night Vision) can also be added in the last coat only, to obtain the desired effect. If added in the first coat, the effect and surface coverage will be further enhanced.

Finishes

If the Spotlight, Gold and Night Vision finishes are used, add the product as the third component after mixing the catalyst (part B).
Be sure to pour it in slowly as these additives are fine and light powders, and use a mixing paddle at low speed to avoid splashing the product.

Metallic Collection

To obtain the metallic finishes Platinum, Shining Gold, Bronze, Copper and Rusty, the respective additives must be mixed only with Starlike® EVO 113 Neutro. Add the product as the third component after mixing in the catalyst

(component B).
Be sure to pour it in slowly as these additives are fine and light powders, and use a mixing paddle at low speed to avoid splashing the product.

LIMITATIONS

- The Metallic Collection finishes can be applied with maximum two coats
- Do not use the Galaxy additive for the application of Starlike® Decor
- Do not use the colors Bianco Assoluto C.470 and Bianco Ghiaccio C.270 even if mixed with additives
- Do not use wet tools or water for leveling layers with Starlike® Decor
- Avoid storing the product in cans/buckets under direct sunlight or in very warm environments
- In warm climates, keep the packaged product in a cool and dry place away from the sun before use
- Respect the mix ratio
- Do not mix the product with solvents
- Do not add lime, cement or other foreign materials to the product
- Do not mix partial quantities of the components without using a scale; different mix ratios will compromise the proper setting of the product
- Spread the product at temperatures between 40°F and 90°F
- The pot life is about 40 minutes at a temperature of 73.4°F (+23°C). Be sure to mix only the quantity of product that can actually be used within this period of time
- Application of the product in environments with relative humidity greater than 80% is not recommended
- If the ambient temperature needs to be increased, use only electric heaters and not fired heaters (which may cause the emergence of surface defects)
- The temperature of the substrate must be at least 37.4°F (3°C) higher than the dew point
- Apply only on a substrate prepared and smoothed with Multifondo EVO
- During the winter, setting times may be significantly longer, therefore check that the surface of the coat is not sticky before any further leveling
- Do not use for exteriors
- Protect the product against water for at least 24 hours after installation
- If paper tape or gummed paper is used to delimit the areas or protect the surfaces, they must be removed while the product is still fresh
- Do not use the product for applications not stated in this technical sheet
- If in doubt, contact the Litokol S.p.A Technical Help Service.

SAFETY INFORMATION

Consult the product safety data sheet, available on request.
PRODUCT FOR PROFESSIONAL USE

IDENTIFICATION DATA

Appearance	Component A: colored paste
Appearance	Component B: amber liquid
Appearance	Component C: straw yellow liquid
Customs code	32099000
Shelf life	24 months in original packaging in a dry place.

APPLICATION DATA

Mix ratio	Component A: 93.3 parts by weight
Mix ratio	Component B: 6.7 parts by weight
Mix ratio	Component B: 5 parts by weight
Appearance of mix	Colored thixotropic paste
Specific gravity of mix	1.60 kg/dm^3 (3.53lb/in^3)
Pot life	Approx. 40 minutes
Application	PVC float art. 103PRO
Acceptable application temperatures	From 23°F to +86°F (+5°C to +30°C)
Permissible relative ambient humidity	< 80%
Waiting time between coats	12 hours
Waiting time for overlaying	24 hours
Serviceability Temperatures	From +23°F to +176°F (-5°C to +80°C)
How to clean equipment	With water when product is fresh. Mechanically when product has set.

CONSUMPTION TABLES

EFFECT	CONSUMPTION
OPAQUE EFFECT	2.0 kg/m^2 (5.27lb/yd^2) in three “zero” skim coats
CLOUDY EFFECT	1.5 kg/m^2 (3.95lb/yd^2) in two “zero” skim coats
SPATULA EFFECT	2.0 kg/m^2 (5.27lb/yd^2) in two coats, the first with a “zero” skim coat, the second with a spatula effect
TWO-COLORED SPATULA EFFECT	1.5 kg/m^2 (3.95lb/yd^2) for the first coat of random spatula effect

0.5 kg/m^2 (1.32 lb/yd^2) for the second coat

PERFORMANCE

Standard		UNI EN 15824
Adhesion to substrate	4.5 MPa ≥ 0.3 Mpa (217.5 psi ≥ 43-5 psi)	EN 1542
Resistance to UV rays	Excellent	ISO 11341
Resistance to humidity	Excellent	With Hydrolux EVO
Resistance to water	Excellent (> 72 hours)	With Hydrolux EVO
Resistance to temperature fluctuations	Excellent	
Resistance to aging	Excellent	
Stain resistant	Excellent	With Hydrolux EVO

COLOR TABLE

NOTES

Data detection at temperature +73.4°F (+23 °C), R.H. 50% and with no wind. May vary depending on the specific conditions of the installation site.
The colors and images of the products are intended purely as a guideline and do not necessarily constitute a faithful representation of the originals.

Form **n. 316**
Revision **n. 7**
Date: **October 2021**

The information and provisions contained in this technical data sheet reflect our best experience. Given the impossibility of directly intervening on the conditions of the work site and execution of the works, they represent indications of a general nature, which are in no way binding on our Company. It is therefore advisable to perform a spot test to check the suitability of the product for the intended use. In any case, users must determine whether or not it is suitable for the intended use and shall assume all associated responsibility.

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