

Wall
& Floor

SpazioChiaroscuro EVO

READY-TO-USE WATER-BASED DECORATIVE SYSTEM
FOR WALLS. SUITABLE FOR OVERLAYING. FOR
INTERIORS. PRODUCT WITH VERY LOW VOLATILE
ORGANIC COMPOUND EMISSION RATE.



DESCRIPTION

Synthetic resin-based decorative system in aqueous dispersion, ready to use and extremely easy to apply. Allows the creation of chiaroscuro effects with a soft texture.

ADVANTAGES / FEATURES

- Product with very low volatile organic compound (VOC) emission rate, compliant with class A+ (Émission dans l'air intérieur – French Regulations)
- Water-based product
- Easy to sand
- Product with excellent fluidity and easy to spread
- Product exempt from restrictions for road, sea, air and rail transport
- Ready-to-use product
- The system can be applied to a broad range of substrates and also overlaid on existing coverings
- Smooth finish
- Allows the creation of exclusive chiaroscuro effects with a soft and delicate texture
- Available in the 27 nuances designed by Rinaldo Rinaldi for the Spaziocontinuo® palette, and on request in any colour of the international NCS and RAL colour charts
- Self-polishing texture: once dried, it can be rubbed with a white felt to increase its shine and chiaroscuro effect; it can also be polished by "smoothing" with a stainless steel trowel (Stainless Steel Trowel 20x8 art. 201T0001) about 20-30 minutes after application
- Extremely economical decorative system due to high product yield
- Compliant with harmonised European standard UNI EN 15824

PACKAGING

2 kg buckets

INTENDED USE

Intended uses

Interiors
Walls
Overlaying on existing coverings in ceramic, porcelain stoneware, mosaic, agglomerates, natural stones
Covering of furniture and structures in wood, metal or plastic
Residential, public, commercial building
Indoor wet areas (bathrooms, shower enclosures)

Suitable substrates -

RasanteParete/Ceramica EVO on:

Rough cement plaster
Washable paints (temperas need to be removed)
Skim coats
Cement plasters with fine mortar finish
Gypsum-based plasters or smoothers
Underfloor heating systems
Smooth cement panels
Normal and waterproof gypsum
Fibre cement slabs (such as Aquapanel)
Existing coverings in ceramic, porcelain stoneware, mosaic and natural stone
Lightweight panels (such as WEDI-SCHLUETER).
Wood panels

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

Curing

In order to be considered dimensionally stable, a substrate must be sufficiently cured.

Indicatively speaking, cement screeds or plasters need about 7 days per centimetre of thickness, and ready-mixed products depend on the manufacturer's instructions.

Integrity and compactness

Assessed by visual inspection. Plastering must be consistent and compact for its entire thickness.

There must not be any cracks or fissures on the substrate; in this case, it is advisable to reinforce the surface by embedding a reinforcing mesh in the substrate leveller.

Brittle or flaking parts must be removed from the repaired surface using suitable cementitious levelling or skimming mortars.

In the case of pre-existing 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.

Planarity

The substrates must not present irregular curves, whether concave or convex, greater than 3 mm.

Planarity is tested in various points of the surface by resting a 2 metre ruler on the surface and measuring the tolerance with a thickness gauge.

Any deviations can be corrected using suitable levellers or skim coats.

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 mm.

Humidity content

Il valore massimo di umidità ammessa del supporto è pari al 3-3,5%.

Pulizia

La superficie del supporto si deve sempre presentare pulita, esente da agenti contaminanti tipo lattime di cemento, grassi, oli disarmanti, residui di vernici, pitture, adesivi, ecc..

In presenza di questi contaminanti occorre effettuare una rimozione con opportuni detergenti o mezzi meccanici a seconda della natura del supporto e del tipo di sporco.

SCELTA DEL SISTEMA RESINOSO IDONEO

Un sistema resinoso deve essere scelto in base alle esigenze del committente ed in linea alla futura destinazione d'uso dello stesso.

Andranno dunque considerati: il tipo di sollecitazione meccanica al quale sarà sottoposto, il tipo di agenti chimici e la frequenza con la quale verrà a contatto con essi e l'eventualità che si tratti di ambienti umidi come bagni o docce.

PREPARATION OF SUBSTRATES

After 5-6 hours, or when Rasante Parete EVO/Rasante Ceramica EVO has completely set, it can be sanded with 100-120 grit mesh.

After carefully vacuuming any dust, proceed to apply the texture.

In any case, the respective technical data sheets must be consulted for correct use of the indicated products.

PREPARING THE MIX

Ready-to-use product without the need for any preparation.

In any case, once the container has been opened, we recommend mixing the product briefly, even manually, with a steel trowel or spatula.

APPLICATION

Apply and level down to a "zero" skim coat using a smooth round-edged steel trowel (Superflex stainless steel trowel art. 203I0001).

Make sure not to exert excessive force on the trowel during this stage in order to fully cover the surface.

If the product is applied correctly, it will completely hide the underlying substrate, albeit highlighting the chiaroscuro effects.

When dry (approximately 3-5 hours at $T = +23^{\circ}\text{C}$) proceed to apply the second coat.

Use the "on-off" technique to create chiaroscuro effects and make the trowel strokes visible.

To complete the cycle and make the surface washable and more resistant to scratches, apply two coats of Protettivo Naturale EVO once it has completely dried and in any case after 12 hours.

FOCUS

Shower enclosure and areas in direct contact with water

Each time the decorative system is applied in a wet environment, certain precautions are necessary:

- If covering a niche inside a shower enclosure, check that the slope is sufficient to prevent any water build-up.
- if there is a pre-existing waterproofing system, check that it is cementitious (e.g. Coverflex and Elastocem), applied with a smooth trowel (do not apply on ready-to-use and/or roller-applied waterproofing systems); in any case, a waterproofing system is not necessary insofar as this function is performed by these resin systems, if applied correctly.
- in case of slight rising damp, Osmogrout, an osmotic waterproofing membrane, must be applied before the entire decorative system.
- use strictly Hydrolux EVO as the topcoat (two-component, water-based topcoat), to be applied in three coats over the last textured coat.
- take extra caution near plumbing pipes and fittings; these are critical points from which water may infiltrate under the resin system. Hydrolux EVO must therefore be applied in contact with the piping; moreover, before installing the taps and fittings, apply the MS-polymer grout Litosil MS in abundance around the pipes themselves.
- in contact with the shower tray and enclosure, use the white MS-polymer grout, Litosil MS, (which can be painted over with ResinaArredo EVO); alternatively, clear Ottoseal S70 C.00 can be used.
- if the client has chosen to combine a single component wall system with a two- and three-component floor system, Ottoseal S70 C.00 clear silicone will need to be applied along the wall-to-floor junction.

WARNINGS

- Since the product is based on synthetic resins in aqueous dispersion, it must be protected against frost. When packages are transferred and stored in a warehouse, the temperature must not fall below +5°C so as not to compromise the quality of the product
- 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
- Applicable only on substrates prepared and levelled with RasanteParete EVO or RasanteCeramica EVO
- Do not mix the product with water or solvents
- Do not add lime, cement or other foreign materials to the product
- Spread the product at temperatures between +5°C and +30°C inclusive
- 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 3°C higher than the dew point
- Do not use the product on damp substrates or substrates with rising damp phenomena
- Do not use on dirty or inconsistent surfaces
- The product can be used on interior walls only
- Do not use on surfaces that are not fully cured and on substrates that have not been properly prepared
- During the winter, setting times may be significantly longer, therefore check that the surface of the coat is not sticky before any further levelling
- Protect the product against water for at least 24 hours after installation
- Do not use the product for applications not stated in this technical sheet
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- 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	Coloured thixotropic paste
Customs code	32091000
Shelf life	12 months in original packaging in a dry place.

APPLICATION DATA

Mix ratio	Ready-to-use product without the need for any preparation.
Specific gravity of mix	1,45 kg/dm ³
Application	Superflex stainless steel trowel art. 203I0001 or alternatively, Stainless steel trowel 20x8 or 24x10 (art. 201T0001 or art. 102PRO0001)
Application temperatures	From +5°C to +30°C
Permissible relative ambient humidity	< 80%
Waiting time between coats	3-5 hours
Waiting time for overlaying	12 hours
Temperature of use	From -5°C to +80°C
How to clean equipment	With water when product is fresh. Mechanically when product has set.
Consumption	0.3 kg/m ² in two coats

Compliance		EN 15824
Adhesion to substrate	1.5 MPa \geq 0.3 MPa	EN 1542
Resistance to UV rays	Excellent	ISO 11341
Resistance to humidity	Excellent	
Resistance to temperature fluctuations	Excellent	
Resistance to ageing	Excellent	

PERFORMANCE

COLOUR CHART



NOTES

Data detection at temperature +23 °C, R.H. 50% and with no wind. May vary depending on the specific conditions of the installation site.

The different textures of the Spaziocontinuo® surfaces have different colours, saturation and brightness. For each project, use materials from a single production batch.

Materials from different batches may assume slightly different colours.

The texture of Spaziocontinuo® is characterised by material discontinuity and natural irregularity, achieved through the skilful artisan work of the installer, thus making the surfaces unique.

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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 recommended to perform a spot test in order to check the suitability of the product for the intended use. In any case, those who intend to use the product must establish whether or not it is suitable for the intended use, and in any case assume all liability for any consequences resulting from such use.

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