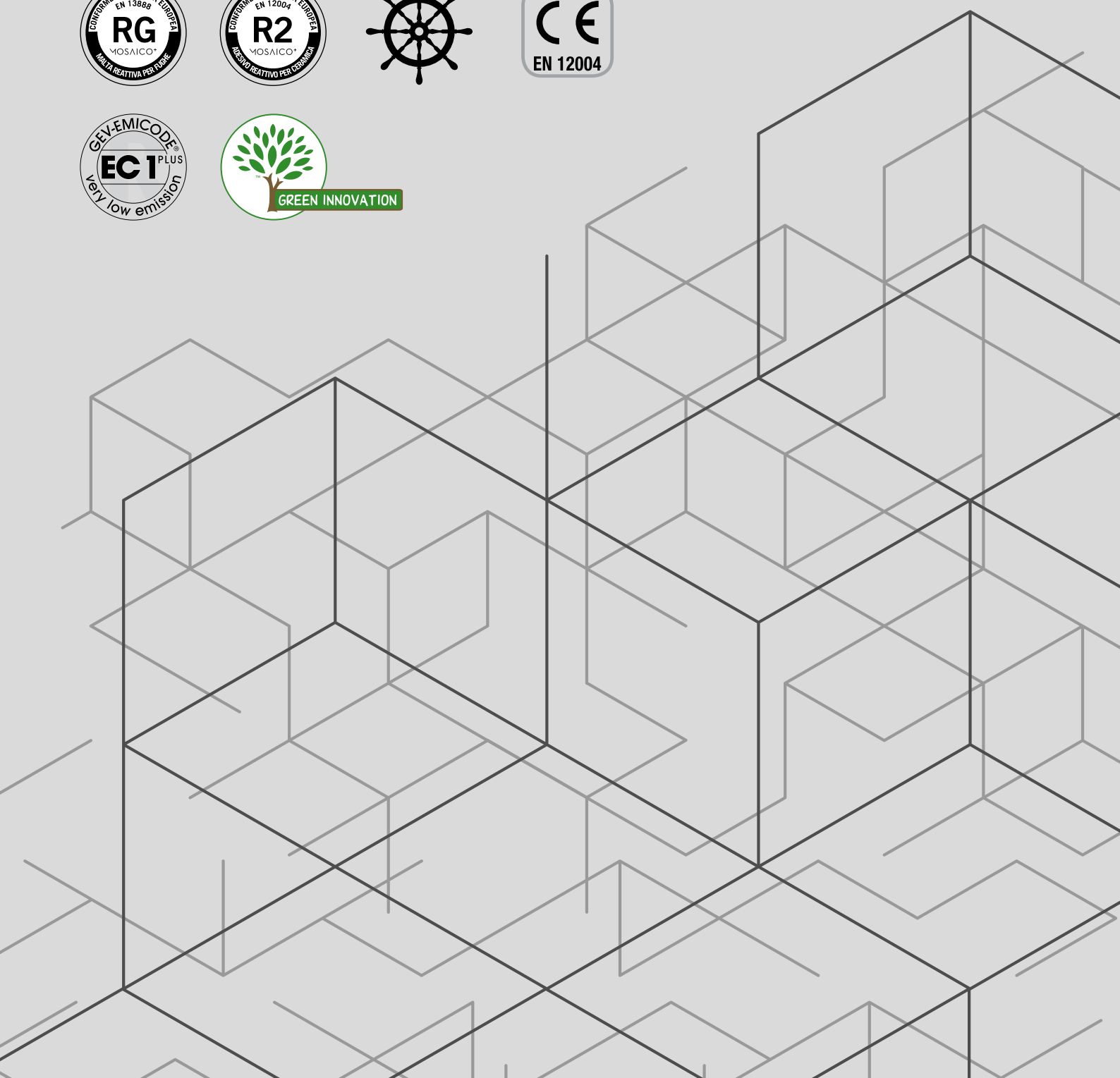


MOSAICO⁺

colorepoxy

Dual component, acid-resistant decorative epoxy mortar,
ideal for mosaics.



CLASSIFICATION PER EN 13888

Colorepoxy is a reaction mortar (R) for grouting (G), class RG.

WHERE TO USE

Decorative grouting, indoors and outdoors, for floors and walls, especially mosaic. Also suited for acid-resistant gluing on horizontal surfaces only, on all normal building substrates.

Some application examples

- Grouting of decorative wall coverings in locations where outstanding appearance is a priority (e.g. showrooms, commercial premises, etc.).
- Grouting of shower and bathroom floor and wall coverings.
- Grouting of sauna, Turkish bath, etc. floor and wall coverings.
- Grouting of swimming-pools: recommended in particular for pools containing spa water or brine (except Colorepoxy Lux).
- Repair of deteriorated existing grouts further to removal of loose parts to a depth of at least 1.5 mm.

TECHNICAL NOTES

Colorepoxy is a dual component decorative grout with extremely low volatile organic compound emissions, composed of epoxy resins, silica sands and special components, with excellent resistance to acids and very easy cleaning.

In the Lux version, Colorepoxy is mixed (at a rate of up to 10% by weight) with metallic coloured glitter, to obtain particular effects with the same technical characteristics.

When properly applied, it yields grouting with the following characteristics:

- translucent, improves the chromatic effect of walls with special decorative characteristics;
- final appearance is semi-transparent, very similar to that of vitreous mosaic; it enhances the mosaic's gleam, shine and overall effect;
- excellent mechanical and chemical resistance for outstanding durability;
- a smooth, dense finish, non-absorbent and easy to clean; ensures hygiene, prevents mould formation;
- excellent workability, much better than that of conventional mortars due to its creamy texture; this means reduced application times and an easier to clean surface, less wastage and a better finish;
- does not shrink, no cracks or fissures;
- uniform colours, resistant to UV and atmospheric aggression;
- excellent adhesion to chip edges during grouting.

IMPORTANT NOTES

- For expansion joints which are elastic or subject to movement we recommend using an elastic sealant from the MAPEI product line (e.g. Mapesil AC, Mapesil LM, Mapeflex PU40, Mapeflex PU45 or Mapeflex PU50 SL).
- Colorepoxy does not ensure perfect adhesion if used to grout mosaic the edges of which are wet or soiled with cement, dust, oil, grease etc.
- Run tests before grouting porous materials with Colorepoxy in a contrasting colour (e.g. black on white).
- Do not add water or solvent to Colorepoxy to improve its workability.
- Use the product at a temperature of +12°C to +30°C.
- The packs are pre-batched so that simply mixing the full amount of the two components together gives the best results. Do not attempt to mix the product by eye; an incorrect catalytic ratio compromises curing.
- If you need to remove cured Colorepoxy from the grouting joints, use an industrial hot air blower. If product residues have set on the tiles, use Pulicol 2000.
- Do not use grout with glitter in submerged positions, in damp areas and on external facades.

APPLICATION PROCEDURES

Preparing the grouting joints

The joints must be dry, clean, free of dust and open to at least 2/3 of the thickness of the tiles themselves; any adhesive or mortar which has welled up during installation must be removed while still fresh.

Before grouting, make sure that the mortar bed or adhesive are adhering well and have already released most of their humidity.

Preparing the mix

Mix the hardener (component B) into the container of component A and stir to form a smooth mix. For best results, use a slow speed electric mixer, which also prevents the mix overheating, thus reducing the working time. Add the glitter to the resulting mix if so desired, to the amount required for the effect you wish to achieve, up to a maximum of 10% by weight.

Use the mix within the times stated on the pack.

Application

Apply Colorepoxy with the provided trowel, making sure to fill the joints to their full depth. Using the same trowel diagonally to the filled joints, remove any excess material.

Finishing

Floors and walls must be cleaned after grouting with Colorepoxy before the grout has set.

Wet the grouted surface and use a Scotch-Brite® pad to emulsify the excess grouting, taking care not to empty out the joints themselves. When cleaning walls in this way, make sure the pad is full of water.

The liquid residue can be removed with a hard cellulose sponge, which must be replaced when too full of resin; the same method can be used to even off the grouting.

After finishing procedures, it is very important for no traces of Colorepoxy to be left on the surface of the tiles, since once set it would be very difficult to remove; therefore, rinse the sponge often with clean water during cleaning.

If the floor is very large, finishing may be done with a rotary mono-disc machine fitted with special Scotch-Brite® abrasive felt disks soaked with water. The liquid residue can be gathered up with a rubber wiper and then removed from the floor.

If too much time has passed since installation and the Colorepoxy has already started to harden, it can be emulsified with a Scotch-Brite® pad, using water and 10% ethyl alcohol. This technique can also be used to remove any haloes remaining after cleaning with Scotch-Brite® and water.

READY FOR USE

4 days. After 4 days, the surface will also be resistant to chemical aggression.

Cleaning

Before the product sets, tools and containers can be washed with plenty of water; once Colorepoxy has set, only mechanical cleaning is possible.

COVERAGE

Colorepoxy coverage varies depending on joint width and chip size. For mosaic 4 mm thick, chip size 2x2 cm, coverage is about 1.4 kg/m². To assess the consumption with tile sizes and grouting joints of different widths, use the following formula.

PACKAGING

Colorepoxy is supplied with the components in the correct ratios for mixing, in tubs which contain not only component A but also the container of component B. The product is available in packs of a total of 3 kg. The glitter is supplied in 100 g bags.

COLOURS

Colorepoxy is available in 21 colours (21 colours plus neutral). Glitter is available in Diamante and Topazio colours.

STORAGE

Stored in a dry place in its original packaging, Colorepoxy has a shelf life of 24 months. Store at at least +10°C to avoid crystallisation of component A.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Colorepoxy part A is irritant to the skin and eyes, while both part A and part B may cause sensitisation of the skin in sensitive individuals. In addition, Colorepoxy part B is corrosive and may cause burns. The product contains epoxy resins with low molecular weight, which may cause cross-sensitisation with other epoxy compounds.

Protective gloves and goggles should be worn during application, and the usual precautions for handling chemicals should be taken. In case of contact with the eyes or skin, wash immediately with plenty of water and seek medical advice.

In addition, Colorepoxy parts A and B are harmful to the aquatic environment; the product must not be dispersed in the environment.

For additional, complete information on the safe use of the product, users are urged to consult the latest edition of the Safety Data Sheet.

FOR PROFESSIONAL USE ONLY**WARNING**

The above instructions and information, while they reflect our experience, are nonetheless guidelines and must be confirmed by exhaustive practical testing; before using the product, make sure that it is suited to the intended application. The user is responsible for all consequences of its use.

**SPECIFICATIONS****Used as grouting**

Decorative grouting, composed of coloured epoxy mortar, acid-resistant, class RG (EN 13888), dual-component (Colorepoxy type), mixes up to 10% with metallic coloured glitter (such as Il Glitter), particularly suited to ornamental walls and floors and vitreous mosaic, with excellent mechanical and chemical resistance for outstanding durability. The final surface is smooth and dense, non-absorbent and easy to clean, does not shrink is thus free of cracks and fissures. The grouting is extremely hard and resistant to heavy traffic. The colours are uniform and resistant to UV and atmospheric aggression.

AVAILABLE COLOURS

colorepoxy

epoxy grout

WHITE
GREY
BLACK



| CX.S026 Ghiaccio



| CX.S002 Argento



| CX.S031 Platino



| CX.S003 Grigio



| CX.S027 Perla



| CX.S028 Cenere



| CX.S029 Antracite



| CX.S004 Nero

NEUTRAL



| CX.S900 Neutro



| CX.S033 Avorio



| CX.S015 Sabbia

BROWN



| CX.S013 Fondente

RED



| CX.S020 Veneziano

PINK
VIOLET



| CX.S017 Lilla



| CX.S018 Viola

BLUE



| CX.S034 Carta da Zucchero



| CX.S011 Avio



| CX.S012 Cobalto

TURQUOISE



| CX.S009 Turchese

GREEN



| CX.S008 Menta



| CX.S006 Giada

colorepoxy lux

glitter epoxy grout

WHITE
GREY
BLACK



| CX.GL01 Diamante

YELLOW



| CX.GL03 Topazio

COVERAGE

		Chip sizes	Chip thickness	Grout coverage
		mm inches	mm inches	kg/mq lbs/sqft
COLOUR	Vetrina	10x10 3/8"x 3/8"	4 1/8"	1.5 0.31
	Metal	10x10 3/8"x 3/8"	4 1/8"	1.5 0.31
	Concerto	10x10 3/8"x 3/8"	4 1/8"	1.5 0.31
		15x15 5/8"x 5/8"	4 1/8"	1.5 0.31
	Perle	10x10 3/8"x 3/8"	4 1/8"	1.5 0.31
		15x15 5/8"x 5/8"	4 1/8"	1.5 0.31
		20x20 3/4"x 3/4"	4 1/8"	1.5 0.31
	Doro	10x10 3/8"x 3/8"	4 1/8"	1.5 0.31
		15x15 5/8"x 5/8"	4 1/8"	1.5 0.31
		20x20 3/4"x 3/4"	4 1/8"	1.5 0.31
	Tanticolori	20x20 3/4"x 3/4"	4 1/8"	1.5 0.31
	Aurore	20x20 3/4"x 3/4"	4 1/8"	1.5 0.31
	Divetro	23x23 7/8"x 7/8"	8 1/4"	2.5 0.51
	Onde	23x23 7/8"x 7/8"	8 1/4"	2.5 0.51
		23x48 7/8"x 1 7/8"	8 1/4"	2.3 0.47
		48x48 1 7/8"x 1 7/8"	8 1/4"	2.0 0.41
	Èmetallo	23x23 7/8"x 7/8"	8 1/4"	2.5 0.51
		23x48 7/8"x 1 7/8"	8 1/4"	2.3 0.47
		25x28.9 1" x 1 1/8"	8 1/4"	2.5 0.51
		24x13.9 1 x 1/2"	8 1/4"	3.0 0.61
Legno	23x23 7/8"x 7/8"	8 1/4"	2.5 0.51	
	23x48 7/8"x 1 7/8"	8 1/4"	2.3 0.47	
Pietre	23x23 7/8"x 7/8"	8 1/4"	2.5 0.51	
	23x48 7/8"x 1 7/8"	8 1/4"	2.3 0.47	
	48x48 1 7/8"x 1 7/8"	8 1/4"	2.0 0.41	
Crono Nova	38x38 1 1/2" x 1 1/2"	8 1/4"	1.8 0.37	
Area25	50x50 2" x 2"	6 1/4"	1.8 0.37	
Diamond	-	2.5 3/32"	2.0 0.41	
Jointed	-	2.5 3/32"	2.0 0.41	

COVERAGE

COLOURS	10x10 3/8" x 3/8"	4 1/8"	1.5 0.31
	15x15 5/8" x 5/8"	4 1/8"	1.5 0.31
	20x20 3/4" x 3/4"	4 1/8"	1.5 0.31
	23x23 7/8" x 7/8"	8 1/4"	2.5 0.51

COLOUR TRANSITIONS	10x10 3/8" x 3/8"	4 1/8"	1.5 0.31
	15x15 5/8" x 5/8"	4 1/8"	1.5 0.31
	20x20 3/4" x 3/4"	4 1/8"	1.5 0.31

DECOR	10x10 3/8" x 3/8"	4 1/8"	1.5 0.31
	15x15 5/8" x 5/8"	4 1/8"	1.5 0.31
	20x20 3/4" x 3/4"	4 1/8"	1.5 0.31

TECHNICAL DATA (TYPICAL VALUES)

Complies with the following standards:

- European: EN 13888 RG
- ISO 13007-3, class RG

PRODUCT IDENTITY		
	component A	component B
Consistency	creamy paste	gel
Colour	available in 20 colours plus neutral	
Density (g/cm ³)	1.64	1.06
Dry solid content (%)	100	100
Brookfield viscosity (mPa*s)	700,000	400,000
EMICODE:	EC1 R Plus - very low emission	
APPLICATION DATA (AT +23°C and 50% RH)		
Mixing ratio	component A : component B = 9 : 1	
Consistency of mix	creamy paste	
Density of mix (kg/m ³)	1,550	
Pot life	as stated on label	
Application temperature	from +12°C to +30 °C	
Ready for use	4 days	
FINAL PERFORMANCE		
Adhesion (resistance to shear) per EN12003 (N/mm ²) - initial - following immersion in water - following thermal shock	25 23 25	
Resistance to bending (EN12808-3) (N/mm ²)	45	
Resistance to compression (EN12808-3) (N/mm ²)	75	
Resistance to abrasion (EN12808-2)	147 (loss in mm ³)	
Absorption, water (EN12808-5) (g)	0.05	
Resistance to humidity	excellent	
Resistance to ageing	excellent	
Resistance to solvents and oils	very good (see table)	
Resistance to acids and alkalis	excellent (see table)	
Temperature when in use	-20°C to +100°C	

MOSAICO+

Via Valle d'Aosta 46
41049 Sassuolo (MODENA)
Italy
tel. +39 0536 995811
fax. +39 0536 995899
info@mosaicopiu.it
www.mosaicopiu.it



This symbol indicates that the product complies with the EN 13888 standard, which establishes the criteria and test methods for the classification of ceramic tile grouts for installation on floors and walls.



This symbol identifies Mosaico+ products with very low volatile organic compound emissions certified by flooring product emission testing association GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.).



Our environmental commitment
Mosaico+ products help architects and contractors in the realisation of innovative projects which hold LEED, "The Leadership in Energy and Environmental Design" certification, approved by the U.S. Green Building Council.