



Sigilcolor

Water-repellent, anti-mould cement-based sealant, with droplet effect, for joints from 2 to 15 mm.



Fields of application:

- for anti-mould and anti-bacterial water-repellent grouting with droplet effect, easy to clean and maintain;
- indoor and outdoor grouting of joints up to 15 mm with silk-effect fine finishing in 19 colors;
- to grout floor and wall tiles of any size in porcelain stoneware, low thickness stoneware, thin stoneware, klinker, single and double fired material, glass mosaic, ceramic mosaic, glass bricks, natural or artificial stones, granites and bricks;

- to grout surfaces subject to heavy thermal and crosswise stresses, such as outdoor façades, terraces, swimming-pools, fountains, saunas, spas, heating floors, premises with high traffic;
- to grout masonry bathrooms and kitchens;
- professional use only.

Fields of application:

Sigilcolor is a one-component anti-mould and anti-bacterial water-repellent cement-based grout with standard setting and droplet effect, classified CG2WA according to norm EN 13888. The formula of Sigilcolor FL, made up of extra-fine spheroidal aggregates, pure modified binders, absorption-preventing polymers and natural germicides, results in a very high dimensional resistance of the joints with a mixture open time of 1 hour, making it ready for walk over after 12 hours and ready for use in 7 days, guaranteeing lasting, easy and safe protection and decoration of floor and wall tiling. Indicated for indoor and outdoor civil, commercial and industrial applications.

Preparation:

the joints must be clean of dust and installation residues throughout their entire thickness and at least 2/3 empty. The laying bed must be dry. In the case of absorbent materials and high ambient temperatures, it is necessary to moisten the joints with water until it stops and wait a few minutes before proceeding with grouting.

Application:

for correct mixing it is advisable to prepare the container with clean water (about 26%) and then pour the powdered sealant into this. Mixtures that are too fluid could have an uneven color and show efflorescence. Mix with a mechanical stirrer at low speed until you obtain a homogeneous, lump-free mortar. After a few minutes of rest and stirring, the mortar obtained will be ready for application. When laying on the floor it is pos-

sible to make the mixture more fluid by increasing the dosage of water (about 30%). The mixing ratio may vary depending on the color used. Do not use the product that is hardening by restoring its workability with water. Do not add other aggregates or hydraulic binders to Sigilcolor. Spread the mixture with a rubber spatula, proceeding in a direction transversal to the joints. Wait for the sealant to partially set (it becomes opaque in approximately 10-20 minutes) and proceed with the final cleaning of the tile surface with a damp sponge, rinsed frequently. Cleaning must be complete, any stains can be removed with a cloth. Cleaning too soon with the mixture still fresh would cause partial emptying of the joints and the risk of color variations while, once hardened, cleaning will be more difficult. It is necessary to carefully identify the moment when the sealant reaches a partial setting. It is advisable to seal areas large enough to fill the joints and clean the tiles before the grout has completely hardened. To facilitate the removal of the hardened product on the tiles, a moistened abrasive felt or a rotating single-disc machine can be used before cleaning with a sponge. If, following inadequate cleaning, the surface still has residues of sealant or marks, you can use the acid detergent Detergente AC only 7 days after grouting and strictly following the instructions contained therein.

Characteristics	Application methods	Storage
Water-repellent with droplet effect Silk effect fine grain Anti-mould, anti-bacterial Resistance to temperature from -40°C to +90°C Resistance to compression after 28 days (EN 12808-3) 40 N/mm ² Resistance to abrasion (EN 12808-2) 700 mm ³ Granulometry: 0.35 mm	Rubber trowel	Shelf life 24 months - 5 kg bag Shelf life 12 months - 20 kg bag in the original packaging, stored in a dry place

Quantities required (per mm of width): SIGILCOLOR for joints ranging to 15 mm

Tile size	2 x 2	2.5 x 2.5	10 x 10	15 x 10	12 x 24	20 x 20	20 x 25	30 x 30	40 x 40	30 x 60
Quantity required kg/m ²	0.26	0.21	0.17	0.15	0.14	0.10	0.10	0.08	0.06	0.06

COLOR RANGE



Code	Product	Color	Packages	Pallet
2460102	SIGILCOLOR	1 White	2 kg x 10 pcs	480 kg
2460105	SIGILCOLOR	1 White	5 kg x 4 pcs	480 kg
240125	SIGILCOLOR	1 White	25 kg	750 kg
2460202	SIGILCOLOR	2 Jasmine	2 kg x 10 pcs	480 kg
2460205	SIGILCOLOR	2 Jasmine	5 kg x 4 pcs	480 kg
2460902	SIGILCOLOR	9 Light brown	2 kg x 10 pcs	480 kg
2460905	SIGILCOLOR	9 Light brown	5 kg x 4 pcs	480 kg
2461005	SIGILCOLOR	10 Terracotta	5 kg x 4 pcs	480 kg
2461205	SIGILCOLOR	12 Terra	5 kg x 4 pcs	480 kg
2461502	SIGILCOLOR	15 Beige	2 kg x 10 pcs	480 kg
2461505	SIGILCOLOR	15 Beige	5 kg x 4 pcs	480 kg
2461702	SIGILCOLOR	17 Oak	2 kg x 10 pcs	480 kg
2461705	SIGILCOLOR	17 Oak	5 kg x 4 pcs	480 kg
2461802	SIGILCOLOR	18 Leather brown	2 kg x 10 pcs	480 kg
2461805	SIGILCOLOR	18 Leather brown	5 kg x 4 pcs	480 kg
2462902	SIGILCOLOR	29 Silver	2 kg x 10 pcs	480 kg
2462905	SIGILCOLOR	29 Silver	5 kg x 4 pcs	480 kg
242925	SIGILCOLOR	29 Silver	25 kg	750 kg
2463002	SIGILCOLOR	30 Cement grey	2 kg x 10 pcs	480 kg
2463005	SIGILCOLOR	30 Cement grey	5 kg x 4 pcs	480 kg
243025	SIGILCOLOR	30 Cement grey	25 kg	750 kg
2463102	SIGILCOLOR	31 Anthracite	2 kg x 10 pcs	480 kg
2463105	SIGILCOLOR	31 Anthracite	5 kg x 4 pcs	480 kg
243125	SIGILCOLOR	31 Anthracite	25 kg	750 kg
2463202	SIGILCOLOR	32 Black	2 kg x 10 pcs	480 kg
2463205	SIGILCOLOR	32 Black	5 kg x 4 pcs	480 kg
243225	SIGILCOLOR	32 Black	25 kg	750 kg
2463302	SIGILCOLOR	33 Manhattan	2 kg x 10 pcs	480 kg
2463305	SIGILCOLOR	33 Manhattan	5 kg x 4 pcs	480 kg
2463402	SIGILCOLOR	34 Smoke grey	2 kg x 10 pcs	480 kg
2463405	SIGILCOLOR	34 Smoke grey	5 kg x 4 pcs	480 kg
2463502	SIGILCOLOR	35 Basalt grey	2 kg x 10 pcs	480 kg
2463505	SIGILCOLOR	35 Basalt grey	5 kg x 4 pcs	480 kg
2463602	SIGILCOLOR	36 Matter	2 kg x 10 pcs	480 kg
2463605	SIGILCOLOR	36 Matter	5 kg x 4 pcs	480 kg
2463705	SIGILCOLOR	37 Rose	5 kg x 4 pcs	480 kg
2463802	SIGILCOLOR	38 Bauxite	2 kg x 10 pcs	480 kg
2463805	SIGILCOLOR	38 Bauxite	5 kg x 4 pcs	480 kg
2463902	SIGILCOLOR	39 Ocher	2 kg x 10 pcs	480 kg
2463905	SIGILCOLOR	39 Ocher	5 kg x 4 pcs	480 kg
2464005	SIGILCOLOR	40 Cream	5 kg x 4 pcs	480 kg
2464102	SIGILCOLOR	41 Marfil	2 kg x 10 pcs	480 kg
2464105	SIGILCOLOR	41 Marfil	5 kg x 4 pcs	480 kg
2464202	SIGILCOLOR	42 Ecu	2 kg x 10 pcs	480 kg
2464205	SIGILCOLOR	42 Ecu	5 kg x 4 pcs	480 kg
2464305	SIGILCOLOR	43 Caramel	5 kg x 4 pcs	480 kg
2464402	SIGILCOLOR	44 London	2 kg x 10 pcs	480 kg
2464405	SIGILCOLOR	44 London	5 kg x 4 pcs	480 kg
2464505	SIGILCOLOR	45 Vanilla	5 kg x 4 pcs	480 kg
2461810	SIGILCOLOR	181 Moka	5 kg x 4 pcs	480 kg

Warning:

- The mixing water must be clean and salt-free;
- measure out the amount of water required accurately to prevent the formation of efflorescence on the joint surface;
- do not add Sigilflex;
- do not use Sigilcolor for acid resistant joints which must be able to withstand contact with chemicals;
- do not use Sigilcolor for flexible dividing joints;
- failure to follow the pre-laying operation times specified could result in efflorescence and the formation of limescale deposits brought to the surface by rising damp.

Technical and application specifications

Hazard classification as per Directive 99/45/CE:	whites: no - greys: irritant
Mixing water:	approx. 25-20% of weight
Specific weight of mixture:	2.0 g/cm³
Mixture pH:	approx. 11
Pot life:	approx. 20 minutes
Application temperature:	from +5°C to +35°C
Join sealant hardening time with tiling laid using standard adhesives:	4-7 ore circa (a parete) 1 giorno (a pavimento)
Join sealant hardening time with tiling laid using fast-setting adhesives:	approx. 2 hours (on walls) approx. 3 hours (on floors)
Walk-over time:	12-24 hours
Ready for use:	approx. 7 days

FINAL PERFORMANCE SPECIFICATIONS EN 13888 (N/mm²)

Resistance to bending after 28 days (EN 12808-3):	10 N/mm²
Resistance to compression after 28 days (EN 12808-3):	40 N/mm²
Resistance to bending after freeze-thaw cycle (EN 12808-3):	6.5 N/mm²
Resistance to compression after freeze-thaw cycle (EN 12808-3):	37 N/mm²
Abrasion resistance (EN 12808-2):	700 mm³
Shrinkage (EN 12808-4):	1.5 mm/m
Water absorption after 30 min. (EN 12808-5):	0.1 g
Water absorption after 4 h (EN 12808-5):	0.2 g
Resistance to acids:	good if over pH 3
Resist. to damp, solvents, alkalis, oils, ageing:	excellent
Temperature resistance:	from -40°C to +90°C
Harmonised customs code:	38245090

Measurement of data at +23°C / 50% U.R. Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

