



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



EDILFUGEN GM 2-15



MEDIUM-GRAINED SPECIAL
CEMENT-BASED SEALANT

PRODUCT

Medium-grained single-component cement-based mortar in Class CG2 for joints from 2 to 15 mm.

CHARACTERISTICS

High abrasion resistance (**A**) and low water absorption (**W**). Excellent workability, ease of use and good resistance to UV radiation. Non-toxic, frost-proof.

WHERE TO USE

Sealing of all kinds of ceramic tiles, glass mosaics and marble joints. Edilfugen GM 2-15 must be mixed with Fugenlastic instead of water in case of grouting façades, areas subject to heavy traffic, on flexible substrates, areas exposed to mild chemical attack. Suitable for underfloor heating.

STORAGE

Edilfugen GM 2-15 can be stored 12 months in a dry place conditions in its original packaging.

COLORS

See table.

CONSUMPTION

Tile, cm		Plaster, Kg/m ² Joint's width, mm					
		mm 2	mm 4	mm 6	mm 10	mm 12	mm 15
2x2	Kg/m ²	1,00					
5x5	Kg/m ²	0,85	1,75				
10x10	Kg/m ²	0,40	0,85	1,30	2,20		
7,5x15	Kg/m ²	0,40	0,85	1,30	2,20		
12x24	Kg/m ²	0,25	0,70	1,05	1,75	2,10	2,45
15x15	Kg/m ²	0,25	0,55	0,85	1,45	1,75	2,05
20x20	Kg/m ²	0,25	0,55	0,85	1,40	1,65	1,95
20x30	Kg/m ²	0,20	0,45	0,70	1,15	1,40	1,65
30x30	Kg/m ²	0,15	0,35	0,55	0,95	1,15	1,35
40x40	Kg/m ²	0,10	0,25	0,40	0,70	0,85	1,00
50x50	Kg/m ²	0,10	0,20	0,35	0,60	0,75	0,90
60x60	Kg/m ²	0,05	0,15	0,25	0,45	0,55	0,65

PACKAGING

- 25 kg bags on pallets of 1500 kg;
- 5 kg bags in boxes of 25 kg on pallets of 1000 kg.

ITEM SPECIFICATIONS

Floorings and coatings must be grouted with a specific cement-based sealant, such as Edilcol Italia Edilfugen GM 2-15 ranked CG2 according to EN 13888, suitable for joints from 2 to 15 mm.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARATION

- Make sure that tools are cleaned and that joints are free from adhesive or mortar.
- Mix a bag of Edilfugen GM 2-15 with approximately 23% of water or Fugenlastic, by hand or with a mixer at a low number of turns, for at least 3 minutes, until obtaining a homogeneous and plastic mixture with a uniform colour tone.
- Let it rest for about 2 minutes then briefly mix it again before applying it with a suitable gun, rubber spatula or brush, taking care to completely fill the joints throughout their depth.
- Remove the excess of sealant using the rubber spatula transversely with respect to the direction of the joints.
- When the mixture loses its plasticity, clean the excess of product with a clean damp sponge.
- Remove any residual of dust with a soft dry cloth after 24 hours; when using Fugenlastic instead of water, it is necessary to perform this operation immediately after the cleaning with the sponge.

RECOMMENDATIONS

In case of outdoor applications, protect the sealant from the fresh sunlight and rain for at least 24 hours; avoid application in very windy days and/or at temperatures lower than +5 °C or higher than +35 °C.

Edilfugen GM 2-15 must be mixed with Fugenlastic instead of water in case of grouting façades, areas subject to heavy traffic, on flexible substrates, areas exposed to mild chemical attack.

The surfaces of some ceramic tiles or stone materials are rough or contain micro-porosities; in this case it is recommended to carry out a sample test to verify the cleanability and when necessary, apply a protective treatment over the surface, but avoiding penetration into the joints, especially for the application of dark colors on smooth clear surfaces.

The amount of mixing water must be precisely measured. Excess of water could induce the appearance of a whitish coat over the surface (efflorescence).

Color tone of the sealant depends also from the time of dewatering, which can change according to environmental conditions (temperature and humidity) and residual moisture of substrates and adhesives. It is recommended to use the amount of mixing water indicated on packaging and data sheets, grouting without interruptions and, before grouting, wait for the complete hardened of the substrates and adhesives. Do not use products containing aggressive acids for the final cleaning after installation.

Although the details contained in this product report correspond to the best of our current experience, all the above information must be confirmed after practical applications. Anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of product. The values given in the technical data derived from tests conducted in laboratory, in a controlled environment, so they may be greatly modified by the conditions of

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Appearance:	fine powder
Composition:	cement, selected aggregates, resins, additives
Colors:	see table
Application temperature:	+ 5°C / + 35°C
Mixing water:	≈ 23 %
Density of fresh mortar:	≈ 1800 Kg/m ³
Density of hardened mortar:	≈ 1600 Kg/m ³
Pot life:	≈ 2 hours
Waiting time before grouting on floors:	≈ 24 hours (normal setting adhesive) – 4 hours (fast setting adhesive)
Waiting time before grouting on walls:	≈ 6 hours (normal setting adhesive) – 2 hours (fast setting adhesive)
Set to light foot traffic:	≈ 24 hours
Ready to use:	≈ 7 days

SPECIFICATIONS

	VALUE	REQUIREMENT	STANDARD
Abrasion resistance:	≈ 700 mm ³	≤ 1000 mm ³ (high resistance)	(EN 12808-2)
Compressive strength after dry storage:	≥ 25 N/mm ²	≥ 15 N/mm ²	(EN 12808-3)
Compressive strength after freeze-thaw cycles:	≥ 25 N/mm ²	≥ 15 N/mm ²	(EN 12808-3)
Flexural strength after dry storage:	≥ 5 N/mm ²	≥ 2,5 N/mm ²	(EN 12808-3)
Flexural strength after freeze-thaw cycles:	≥ 3,5 N/mm ²	≥ 2,5 N/mm ²	(EN 12808-3)
Water absorption after 30 minutes:	≤ 1,3 g	≤ 2 g	(EN 12808-5)
Water absorption after 240 minutes:	≤ 3,0 g	≤ 5 g	(EN 12808-5)
Shrinkage:	≤ 1,8 mm/m	≤ 3 mm/m	(EN 12808-4)
Resistance to temperature:	- 30°C / + 80°C		
Resistance to moisture, ageing, oils and solvents:	excellent		
Reaction to fire:	Class A1		(EN 13501)
Hazard class:	none		(88/379 EEC)