

GFS

CG2WA S1 cement grouting material



Highly hydrophobic, non-absorbent, fast-setting, super-flexible jointing material with fibres, suitable mainly for the grouting of tiles on difficult to tiles bases in internal and external environments. This product has specifically been tested and certified for the balcony system.

DECLARATION:

Improved cement grouting mortar with additional characteristics, reduced water absorption, and high abrasion resistance, type/class CG2WA according to EN 13888, deformable with transverse deformation of S1 Class according to EN 12002.

APPLICATION:

Jointing material with fibres, with increased deformability for the joint widths of 2-20 mm in internal, and mainly external environments. Material for extra high demands – intended for the grouting of surfaces with excessive heat and dimensional changes. This product has specifically been developed, tested, and certified for the balcony overflow shaped piece in the RAKO SYSTEM system solution – BALCONIES.

Due to rapid hardening of the grouting material, the final walking surface is after approx. 3 hours, and the surface may be fully loaded after 3 hours when the surface is completely harden.

Hydrophobic additives ensure the effect of surface water repellency, and high water-tightness!

This product is suitable mainly for the grouting of SDI panels, and for the laying of tiles on critically deformable floor structures. This product is ideal mainly for balconies, terraces, facades, shops, restaurants, airport halls, problematic bases, etc.

Deflection (transverse deformation): ≥ 2.5 mm and < 5 mm

This product is not suitable for expansion joints and at places where increased chemical resistance is required.

COLOUR SHADES:

3 colours according to the manufacturer's colour chart.

COMPOSITION:

Mineral fillers, white cement, redispersible polymer, and other additives improving processing and end-use properties of mortar.

TECHNICAL PARAMETERS:

MANDATORY				
Bending strength: - after storage in a dry state - after exposure to freeze cycles	min. 2.5 MPa	High abrasion resistance (A)	max. 1000 mm ³	
		Shrinkage	max. 3 mm/m	
Compressive strength: - after storage in a dry state - after exposure to freeze cycles	min. 15.0 MPa	Reduced water absorption (W):	after 30 min	max. 2 g
			after 240 min	max. 5 g

INFORMATIVE	
Grain size	0-0.6 mm
Amount of mixing water	0.18-0.22 l/kg
Spreading rate	approx. 1400 kg/m ³
Volume weight of hardened mortar	1600-1800 kg/m ³
Curing period	5 min

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TECHNICKÝ LIST /

Shelf life	max. 45 min
Time to beginning of cleaning	15 min
Final walking surface – waiting time (under normal conditions)	3 hours
Deflection (transverse deformation – Class S 1)	≥ 2.5 mm and < 5 mm

NOTE: The technical parameters are determined under standard conditions (23 ± 2)°C and (50 ± 5)% of relative air humidity.

Approximate coverage:	100 x 100 mm	joint width of 4 mm	approx. 1.2 kg/m ²
	150 x 150 mm	joint width of 4 mm	approx. 0.8 kg/m ²
	200 x 200 mm	joint width of 4 mm	approx. 0.7 kg/m ²
	300 x 300 mm	joint width of 4 mm	approx. 0.5 kg/m ²

BASE PREPARATION:

The joints must be clean, free of dust, grease, and other impurities. They should not be frozen. Jointing can be performed only after maturation of the adhesive, 1 day after tile gluing; vitrified non-absorbent wall tiles and floor tiles - at least 2 days after tile gluing. Dirty joints must be scraped up to a depth of min. 3 mm, and thoroughly cleaned.

PROCESSING:

Pour the dry mixture uniformly into the prescribed amount of water, and mix thoroughly with a stirrer to produce a homogeneous mass. Allow the mixture to stand for 5 minutes, then mix it again shortly. When mixing, the same ratio of water should be added to prevent differences in colour. Mix only such an amount of mixture which you will be able to apply on the base **within 45 minutes** after adding water. The material must not stay in the container for a longer time than indicated, as it may harden.

The mixed jointing mortar should be applied into the joint diagonally, using a neoprene trowel so that the joint should be completely filled. After slight drying of mortar, the joints should be smoothed using a moistened sponge. After perfect forming the surface of the jointing material, leave the surface to slightly dry again. Then, final washing should be performed. The fresh, jointed surfaces should be protected from rain, direct sunlight, and draft.

Cleaning:

Hardened residues of the jointing material should be cleaned using the CL 802 product. In the first weeks, the jointed surfaces should only be cleaned with water.

CAUTION:

- The general rules specified in ČSN 73 3451 should be followed when designing and laying of ceramic tiles.
- The mixture can be mixed only with drinking water, or water conforming to standard EN 1008.
- It is inadmissible to add additional binders, aggregates, and other additives. Sifting of the mixture is inadmissible too.
- The mixture can be processed only under the air and base temperature over +5°C! The work cannot be done if frost is expected.
- Residues of jointing materials in expansion joints of the inner corners and horizontal and vertical areas must be cleaned and filled with a flexible cement after drying (silicone, PUR), or they can be treated using corner and expansion profiles.
- Unused residues should be mixed with water and allow them to harden - they can be disposed of as construction wastes; contaminated containers should be disposed as of hazardous wastes (see the Safety Data Sheet).
- Only completely emptied and clean packaging may be handed over to recycling.

FIRST AID, SAFETY AND HYGIENE REGULATIONS:

See the product Safety Data Sheet.

STORAGE:

The product should be stored in original containers – protected from damage, action of water, and high relative air humidity. If the storage conditions are met, the shelf life will be 12 months. The expiration date is specified on the packaging.

SHIPPING:

The dry mixture is supplied in 5 kg and 20 kg paper bags placed on pallets wrapped in foils.

QUALITY:

- The product quality is regularly checked in the manufacturer's laboratories.
- The production control system is used in manufacture, and a certified quality management system, according to ISO 9001, is applied.
- Continuous surveillance and proving the conformity of products (if necessary) is ensured by TZÚS Prague, Authorised Body 204.

DISTRIBUTOR:

LASSELSBERGER, s.r.o., Adellova 2549/1, 320 00 Pilsen – Jižní Předměstí

VALIDITY:

Since 1 March 2015

We reserve the right to make any changes that are the result of technical progress. This issue cancels and supersedes all previous issues.

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