

FAST CURING AND WATER-RESISTANT GROUT FOR JOINTS FROM 2 UP TO 10 MM

Characteristic product properties

- Increased chemical resistance and urine-resistant.
- Among others wet rooms and swimming pools in accordance with DIN 18195-5.
- Prevents discoloration.
- High abrasion-resistance and high-pressure resistant up to 150 bar.
- Wall and floor.
- Indoor and outdoor use.
- Classification in accordance with EN-13888: CG2W A.

Applications

For grouting all possible ceramic floor and wall tiles, (glass) mosaics, porcelain stoneware, marble*, granite, natural stone* and (natural stone) composite tiles. Due to the fine grain size a very high strength, closed structure, increased chemical and wear resistance. Especially recommended for intensive use, for example toilets, extreme wet rooms, (industrial) kitchens and suitable for rooms used in healthcare, various industrial applications as well as on façades, balconies and terraces. Can be used, for example, in hotels, airports, shopping centres, restaurants, bars, hospitals, housing construction and swimming pools.

Other products/applications

- If higher demands are required on acid and temperature resistance: PROF 123 omnifill.
- If less high demands are required, we like to refer to: PROF 123 omnifill.

Suitable substrates

Suitable for basically all stone-like mineral and gypsum-based substrates, board material as well as in (electrical) wall and floor heating systems.

Special preparation/preparing the surface

- The substrates/joints must be absolutely dry and free of grease and dust.
- Before grouting, the tile adhesive or the fresh mortar bed the tile adhesive should have been given sufficient opportunity to harden.
- The joints must have been sufficiently scraped out before applying.
- *Note: anti-slip tiles and porous natural stone (possible edge discoloration) and porous tile types are less suitable for grouting with WD FLEX R omnifill because of difficult cleaning. If required, apply protective treatment on the surface to prevent that the used product penetrates into the surface pores of the tiles. Always perform a small test before you start to fill the joints. Use suitable gloves.

Instructions for application

Only use colours with the same batch numbers for each room to prevent colour differences. Do not mix more material than can be processed within the indicated pot life.

- Mix with clean tap water using the following ratio:
1 to 1.1 litres of clean water per 5 kg of powder.
3 to 3.3 litres of clean water per 15 kg of powder.
- Ensure that the water is in the tub first and then add the powder.
- Mix everything with a mixer in at least 2 minutes until a homogeneous, lump-free consistency is obtained.
- Allow the obtained paste to stand for at least 3 minutes and mix of stir again before using. Apply the joint grout diagonally into the joints fully and complete by using a suitable trowel.
- Do not use when the temperature is lower than 5° C.

Further details regarding the processing and dilatation can be found on the page "general processing instructions and data of grouting products"

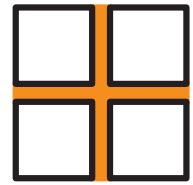
Cleaning

Remove excess grout immediately using a trowel or rubber spatula. When the grout has set, the surface is wiped off with a damp sponge and clean tap water. Remove any remaining cement residue immediately.



Fast hardening





Walkable/commissioning

- Floors can be walked on after approx. 3 hours.
 - They can be fully loaded after approx. 24 hours.
 - Wait approx. 48 hours before filling swimming pools.
 - After 7 days, the grouted surfaces can be cleaned using brushes.
- Depending on the tile type, substrate, temperature and relative humidity.

Consumption

Calculation of consumption: Scan the QR code on the packaging or consult www.omnicol.eu for the consumption calculator.

Product composition

WD FLEX R omnifill is a with resin-modified rapid hardening grout based on cement with carefully selected additives.

Technical properties

- Supplied in the form of : powder
- Colours : In accordance with joint presentation. See www.omnicol.eu *
- CE classification : CG2W in compliance with EN 13888
- Application time : 30 minutes
- Compressive strength : in accordance with EN 12808-3: $\geq 15 \text{ N/mm}^2$
- Résistance à la flexion : in accordance with EN 12808-3: $\geq 2.5 \text{ N/mm}^2$
- Shrinkage : in accordance with EN 12808-4: $\leq 3 \text{ mm/m}$
- Wear resistance : in accordance with EN 12808-2: $\leq 1000 \text{ mm}^3$
- Maintenance : cleaning products with a pH of 7 or higher
- Waiting time : approx. 3 minutes after mixing
- Setting time : approx. 3 hours depending on the surface, temperature and relative humidity
- Hardening : after drying, hydraulic setting and polymerisation
- Max. working temperature : 70° C
- Min. joint width : 2 mm
- Max. joint width : 10 mm
- Water-resistant : takes place through drying, hydraulic setting and polymerisation
- Water resistance : fully moisture resistant and watertight
- Water absorption : reduced water absorption in compliance with EN 12808-5
- Water absorption coefficient : after 30 min. : $\leq 2 \text{ g}$
after 240 min. : $\leq 5 \text{ g}$
- Frost resistance : yes
- UV ageing : no

* Color: the color scheme on the packaging and in the documentation is an indication! The end result can deviate from this. Since several factors can influence the final color, we are not liable for this. Always set up a test piece in case of doubt. Always use equal batch numbers when using multiple packages.

Packaging

- Available in sewn and glued solid bags of multi-layer paper with a net content of 15 kg.
- Available in cardboard boxes with a net content of 5 kg, per 4 boxes bundled in shrink film.
- Pallets are provided with a shrink sleeve.

Health and Safety

WD FLEX R omnifill contains cement. Further details about safety when working with cement-containing products can be obtained upon request.

Resistance

The product has been tested and is resistant against alkalis (or bases) < 10% concentrate, oil and weak acids < 2% concentrate.

This technical data is based on many years of practical experience and laboratory research. We cannot be held liable for the work produced in accordance with our systems since factors on which we cannot make an assessment or influence also determine the final result. We guarantee that this product is always supplied in a quality that remains the same. If you have any doubts, we recommend performing tests yourself. See www.omnicol.eu for the most recent version of this TDS.