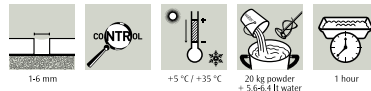




Joint filler



- Ideal for all kinds and sizes of tiles,
- Crack free formula,
- Gives full colour and easily applied,
- Improved water repellency and easy cleaning.

DESCRIPTION

• Cement based, plasticized and water repellent joint filler for joints 1-6 mm of ceramic tiles, porcelain tiles, glass mosaics and tiles, natural stones, travertine, marbles, terracotta. It has a minimized shrinkage value, thus crack free. It allows a quick and easy grouting.

AREAS OF USE

• Suitable for use in internal, vertical and horizontal grouting applications. Ideal for tiling in wet areas, terraces and wide areas with **CERMILATEX** additive.

FEATURES

Material content: High quality cement, additives providing water repellency and fine fillings.

Type	: Powder
Color	: List colours
Density	: 1,4 gr/cm ³

APPLICATION PROPERTIES

Mixture rate	: 5,6-6,4 lt water / 20 kg powder
Pot life	: 1 hour
Application temperature:	+5 °C - +35 °C
Joint width	: 1-6 mm
Grouting time	: as instructed on the adhesive technical sheet.
Set time	: minimum 24 hours (for light pedestrian traffic)
Final set time	: 28 days (23 °C, 50% relative humidity)

TECHNICAL PERFORMANCE

Water absorption (after 30 minutes)	: < 5 gr
Water absorption (after 240 minutes)	: < 10 gr
Resistance to moisture	: good
Resistance to alkalis	: good
Resistance to acids	: good (for Ph > 3 acids)
Temperature resistance	: -30 °C - +70 °C
Bending strength	: ≥ 3,5 MPa (N/mm ²)
Bending strength (freeze-thaw cycle)	: ≥ 3,5 MPa (N/mm ²)
Compressive strength	: ≥ 15 MPa (N/mm ²)
Compressive strength (freeze-thaw cycle)	: ≥ 15 MPa (N/mm ²)
Abrasion strength	: < 2000 mm ³
Shrinkage	: < 2 mm/m

REFERENCE STANDARD

- EN 13888 / CG1 class.

SURFACE PREPARATION

- Grouting should start after the adhesive has set and dried. Joint filler's colour may taint due to adhesive's cement content and colour.
- The joints and tile surface must be clean in order to ensure the joint filler bonds properly. Surfaces should be clean and free from dust, dirt, grease or any other contaminating barrier.
- Ensure that the tiles are firm.
- Joints on high porosity substrates or surfaces (i.e., gypsum plasters or non-glazed tiles) should be wetted before grouting.
- The surfaces exposed to direct sunlight and have a surface temperature above +35 °C must be cooled by damping. If not, early shrinkage causing cracks will occur due to immediate mixing water loss by evaporation.

MIXING

- Gradually add 5,6-6,4 lt (30%) of clean water to 20 kg of powder, and mix to a smooth and homogenous paste. It is recommended to use a low cycled electrical drill-mixer for mixing.
- The paste should be in a consistence such that it does not flow when handled with a trowel.
- The paste should rest for 5 minutes prior to application and should be applied after remixing.
- Do not add more water than specified to get a fluid form or extend pot life (working time).

APPLICATION CONDITIONS

- The joint filler should be applied at an ambient temperature range of +5 °C - +35 °C.
- Application surface temperature must be above +5 °C. The surface should have no risk of freezing.
- Application on hot surfaces and during sunny and/or windy weather is not recommended.

APPLICATION

- Fill the joint filler in the joints completely with a suitable squeegee or a rubber float leaving no voids. Work on a small area at a time. Remove the excess joint filler immediately using a rubber float moved diagonally (at 45°) across the tiles before it hardens. If moved parallel to the tiles the joint filler within the joints may be removed causing a deformed grout surface. Always follow the same direction across tiles when applying the joint filler.
- Time for cleaning the excess joint filler from tile surface is when the grout has started to dry. Time is 10-15 minutes in moderate conditions, but it may vary due to ambient conditions (ambient temperatures, humidity and etc.). Exact time may be determined by touching the joint filler. When the material slightly gets on the finger, cleaning phase should start immediately.
- To clean the tiles use a dampened cleaning pad or sponge. Move the pad or sponge diagonally (at 45°) or in circular motion across the tiles in order not to cause any deformations. Continue wiping the tiles until all residues are moved. Use only clean and non-chalky water to dampen the pad or sponge. Wet cleaning will cause the set grout to be weak, discrete holes and grains on grout surface, and surface discolouration and variation which will be more noticable with darker grouting colours.
- Final cleaning to remove the joint filler residues should be done when dry (in 1 day at the very latest). The tiles should be cleaned and polished with a clean and dry cloth in circular motion.
- If any residues remain after final cleaning, wait for 10 days and treat the tile with **CERMINET** tile cleaning material to loosen and remove these residues.

PRECAUTIONS

- If any roundish and lump or hard particles are observed in a new opened bag, do not use the product.
- Do not add more water into the mixture or re-wet once the mixture is prepared. This will cause the set grout to be weak. It may also cause discrete holes and grains on grout surface, and surface discolouration and variation which will be more noticable with darker grouting colours.
- Test the grout on a spare tile before grouting against surface staining. Surface staining is possible for porous textured, matt or glazed tiles. Tiles with surfaces having shallow depressions would fill with grout. It is recommended to treat tiles with an appropriate protective sealer for a convenient application.



- Be particular about tiles with soft surface which can be scratched during grouting.
- Minimum 7 days of set time should be waited to fill in the pools after grouting.
- **CERMIJOINT 1-6 EXTRA mm**, pot life and waiting time for initial cleaning are 1 hour and 10-15 minutes, respectively. Durations will be shortened for applications with inconvenient conditions (due to high ambient temperatures, dry air and strong wind and applying onto high porosity substrates). On this account, wetness of the joint filler should be tested by touching in case of early setting. Durations may extend in lower temperatures and/or high humidity conditions, or when grouting impervious or sealed tiles.
- Minimum application thickness of the grouting should be at least 3 mm. Thinner grouts would be weak and easily scraped.
- Expansion joints should be incorporated to allow for slight movements due to changes in temperature, humidity and thermal and mechanical loads formed on the surface and substrate. Expansion joints should be provided considering heat transmitting systems and insulation applications, floors exposed to heavy traffic and pedestrian loads, wideness of the area, where tiling meets other materials, along all internal corners, existing movement joints or changes in background material. Large tiled areas must be divided into bays (every 4 to 8 m due to tile sizes and type). Expansion joints should be insulated by using proper profiles or mastics. Cementitious joint fillers are not appropriate for expansion joints.
- Grouted surfaces must be protected for at least 24 hours from direct sunlight, frost and rain.
- Cementitious joint fillers have improved water repellency but not absolutely impermeable. Before tiling and grouting wet areas (bathroom, shower, etc.), it is recommended to apply waterproofing first (**CERMICRYL**, **CERMIPROOF SF** or **CERMIPROOF FF**).

SPECIAL CONDITIONS

- To improve the technical performance of the joint filler (improved resistance and flexibility and water repellency features), it is recommended to add **CERMILATEX** into the mixing water in the ratio 1:3 (As for the mixing water; instead of 3 scales of water, 2 scales of water and 1 scale of **CERMILATEX**).

COVERAGE

- The approximate coverage amount (kg/m²) may vary depending on the tile sizes, tile thickness and joint width. The formula below is theoretical; 10% possible waste arising during application should be added to the calculated coverage.
- Grout Coverage (kg/m²) = (A+B)xCxDxE / (AxB)
- A: Tile length (mm)
- B: Tile width (mm)
- C: Tile thickness (mm)
- D: Joint width (mm)
- E: Coefficient of density

Tiles sizes	Thickness (mm)	Joint width (mm)	*Coverage (kg/m ²)
10x10 cm	6	3	0,550
33x33 cm	8	4	0,290
20x20 cm	7	3	0,310
25x33 cm	8	3	0,250
20x25 cm	7	4	0,370
30x30 cm	7	3	0,210

*The amount of sample consumption.

PACKAGING

- Kraft sacks of 20 kg (60 sacks / 1200 kg on a pallet)
- Kraft sacks of 10 kg (100 sacks / 1000 kg on a pallet)
- Polythene bags of 5 kg (in boxes of 20 kg, 36 boxes / 720 kg on a pallet)

STORAGE AND SHELL LIFE

- When stored unopened in a cool, dry place at temperatures above 5 °C, shelf life is 12 months from date of manufacture. Production date and charge number is displayed on the packaging.
- The products should not be stored in damped or submerged warehouses. At maximum 10 craft sacks should be overlaid for storage.
- When not used, opened packages should be closed tightly to avoid air contact.

HEALTH AND SAFETY

- Irritating to eyes and skin due to cement content. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Wear suitable protective clothing, gloves and eyes/face protection.
- The product should not be inhaled. Dust mask should be used if necessary.
- Keep the product out of the reach of children.

Note: The initial controls of our product are made during the production phase. We guarantee the stability of our products' quality. All recommendations and instructions on the technical sheet are generally based on our experience. Please contact us for applications on special surfaces not mentioned in the technical sheet. Our company reserves the right to update the information on the technical sheet in the case of technical necessities without prior notice. This new catalogue supercedes the previous editions.