

Technical Data Sheet - TDS



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CHEMCGROUT C20

Polymer Modified Tile Grout for wide joints
of 1 to 19mm width

PRODUCT DESCRIPTION

CHEMCGROUT C20 is a hard wearing, water-resistant grout for filling narrow and wide joints from 2.0mm to 19 mm for interior and exterior floors and walls. It is composed of precisely graded pure crystalline marble powder, a blend of special cements, water repellent materials, oxide colours and plasticizers. **CHEMCGROUT C20** is easily applied by hand and will give a water and weather resistant joint with no shrinkage

APPLICATION AND USAGE

For grouting interior/exterior residential and commercial floor and wall surfaces in dry or wet conditions. For application in submerged conditions (swimming pools, spas, water features and fountains), For grouting dimensional stone, slate, granite, stone agglomerates and most types of ceramic, ceramic mosaic, quarry, brick paver, porcelain, glass and clay tiles and mosaics indoor and outdoor areas. For narrow and wide joints from 2 to 19 mm width.

CHEMCGROUT C20 should not be used grout joints greater than (19mm) wide. Do not use **CHEMCGROUT C20** in highly chemical and stain-resistant area. Expansion and movement joints on walls and floors must never be filled with **CHEMCGROUT C20**. If an acid-based cleaner is used to

clean the joint, we recommend testing the product beforehand to check the resistance of the color.

ADVANTAGES

- ▶ **CHEMCGROUT C20** can be used on materials such as wall and floor tiles, clinkers, mosaics etc. where joints do not exceed 3mm in width.
- ▶ Water resistant
- ▶ Fibre reinforced for higher crack resistance
- ▶ No sagging
- ▶ Use internally or externally
- ▶ Higher Crack Resistant
- ▶ Self coloured
- ▶ Smooth surface finish
- ▶ For fine grouting work
- ▶ Suitable for wet areas
- ▶ Easy to wash

DIRECTIONS FOR USE

Surface Preparation: Allow at least 24 hours between fixing tiles and grouting. Ensure that all tile joints and edges are free of excess tile fixing mortar and foreign matter. Certain tiles,

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with high absorption, surface porosity or rough surfaces may require sealing before grouting to prevent permanent staining. Some types of glazed ceramic tiles, marble, granite and marble agglomerates can be permanently stained, scratched, dulled or damaged when grouted with pigmented grout or sanded grout formulas. Generally, white grout is best suited for grouting. White or light-colored marble or granite. Check the tile or marble manufacturer's literature and test grout on a separate sample area before grouting to determine the suitability of the product with colored and/or sanded grouts. Remove excess adhesive or mortar from the joint area so that 2/3 of the depth of the tile is left available for grouting.

Mixing: Before mixing with water, Dry-blend the **CHEMCGROUT C20** so that the finished grout does not show color variations. **CHEMCGROUT C20** with cool, clean water at the rate of 1.50-1.75 to 5kg powder. Pour the required amount of clean, cool water into a mixing container. Gradually add the proportionate amount of **CHEMCGROUT C20** while slowly mixing. Always add the powder to the water while being consistent in the mixing process and with the quantity of water used from batch to batch.

Application: Apply **CHEMCGROUT C20** diagonally into the joints with a rubber edged spatula or squeegee. Remove excess grout with a moist sponge before drying. Do not apply grout to an area that is of a size that cannot be completed within 1 hour.

Porous tiles should be moistened with water prior to grouting. When grouting is complete polish tiles with dry cloths or soft mechanical polishers. 24 hours after grouting moisten the joints with a wet sponge.

PACKING & STORAGE

CHEMCGROUT C20 is supplied in 5/10 kg bags. Store unopened bags in clean, cool, and dry areas protected from direct sunlight. Store as for cement. Original unopened bags may be stored for up to 12 months

COVERAGE

Tile size: 10CM X 10CM X - 0.35 Kg/m² for width 2mm

Mosaic Tiles: 5CM X 5CM - 0.5 to 0.65kg/m² for width 1.5 - 3mm

TYPICAL PROPERTIES

Color	Available in more than 20 grout colors
Mix Ratio	1.50-1.75 ltr of water for 5 kg grout
Pot Life	1-2 Hours
Physical State	Powder
Flash Point	NA
Application temp:	+10 to 40 °C
ANSI Specification, ANSI A118.6	
Adhesion according to EN 12808-3	
Flexural strength (after 28 days)	> 3.45 Mpa EN12808-3
Compressive strength	> 20 Mpa EN12808-3
Shrinkage	< 0.30%
Water absorption (g)	< 2 g EN128085
VOC:	0.0g/l
Full Cure@25°C	28 Days
Abresion resistance	< 1000 MM EN12808-2

ISO 13007: Classification CG2WAF

ANSI: Meets or exceeds ANSI A118.6

HEALTH & SAFETY

CHEMCGROUT C20 contains no hazardous substances however it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes wash thoroughly and immediately with warm water. If swallowed seek medical attention.

OTHER BONDING AGENTS AND TILING PRODUCTS AVAILABLE FROM CIL.

- ▶ **RocFloor Primer** - Epoxy resin bonding agents suitable for bonding new to old concrete,
- ▶ **RocBond AR- primer**—Single component low viscosity acrylic primer
- ▶ **CIL tile grout E**—Epoxy tile grout and adhesive.

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Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Product representative or visit our website for current technical data and instructions.

Disclaimer

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