

TILE

GROUT

COLOR FINE TILE GROUT

Conforms to
EN 13888 – CG2W

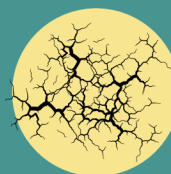
PREMIUM POLYMER MODIFIED
CEMENTITIOUS TILE JOINT FILLER



POLYMER MODIFIED CEMENT BASED TILE GROUT



Easy to Clean



Crack Free



Non Shrinking



Internal &
External Use



Non Shrinking



Available in
Multiple Colours

DESCRIPTION

Velwiin Color Fine Tile Grout is a premium quality polymer modified cementitious tile joint filler specially developed for filling joints between ceramic, vitrified, porcelain, marble, granite, mosaic and natural stone tiles. It provides smooth, durable, water-resistant, crack-free and shrinkage-controlled joints with excellent colour consistency. Suitable for both interior and exterior wall and floor applications.

STANDARD COMPLIANCE / SPECIFICATION

Velwiin Color Fine Tile Grout complies with the requirements of EN 13888 for cementitious tile grouts and is classified as CG2W, offering improved performance, reduced water absorption and enhanced durability for tile joint filling applications.

AREA OF USE

Surface to be Grouted	Area of Application
Ceramic Tiles	Internal & External Walls
Vitrified Tiles	Commercial Buildings
Fully Vitrified Tiles	Bathrooms & Kitchens
Marble & Granite	Balconies & Terraces
Natural Stones	Dry & Wet Areas

FEATURES AND ADVANTAGES

Polymer Modified – Provides excellent adhesion, crack resistance, minimum shrinkage and improved water resistance.

Suitable for Various Tiles & Stones – Recommended for ceramic tiles, porcelain tiles, vitrified tiles, fully vitrified tiles, granite, marble, natural stones and glass mosaic tiles.

Available in Attractive Colours – Available in a wide range of long-lasting colours to match different tile finishes.

Low VOC – Environment – friendly formulation for healthier indoor applications.

LIMITATIONS

Do not use in areas exposed to aggressive chemicals or industrial acids.

Do not use in continuously submerged areas such as swimming pools or water tanks without technical approval.

Tile grout is not a substitute for waterproofing. Apply a suitable waterproofing system before tile installation wherever required.

Do not clean fresh grout joints using acid-based cleaners.

Do not use for movement or expansion joints.

TECHNICAL INFORMATION

APPLICATION PROPERTIES (Velwiin Color Fine Tile Grout + Water)

Testing Properties	Test Results
Tentative Mixing Ratio (Grout : Water)	1 kg : 0.30 – 0.35 L Water
Mixed Density	1.75 ± 0.05 kg/Litre
Pot Life @ 30°C	Minimum 60 Minutes
Joint Width	1 mm to 6 mm
Sag Resistance	Non-Sag
VOC Content	< 1.0 g/kg
Application Temperature	+10°C to +35°C
Light Foot Traffic	24 Hours
Regular Traffic	7 Days
Final Curing Time	28 Days

PERFORMANCE PROPERTIES
(As per EN 13888 / ISO 13007)

Testing Properties	Requirement	Test Results
Compressive Strength (28 Days)	$\geq 15 \text{ N/mm}^2$	18 – 22 N/mm ²
Flexural Strength (28 Days)	$\geq 2.5 \text{ N/mm}^2$	4 – 6 N/mm ²
Linear Shrinkage	$< 3 \text{ mm/m}$	$< 0.5 \text{ mm/m}$
Water Absorption after 30 Minutes	$< 5 \text{ g}$	$< 1 \text{ g}$
Water Absorption after 240 Minutes	$< 10 \text{ g}$	$< 2 \text{ g}$

Note

The above technical values are typical laboratory results obtained under controlled testing conditions. Actual performance may vary depending on substrate condition, tile type, joint width, application method, site conditions and curing practices. Continuous product improvements may result in changes without prior notice.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- Allow a minimum of 24 hours after tile fixing before starting the grouting application.
- Ensure that tile joints are clean, dry and free from dust, dirt, grease, loose particles and adhesive residue.
- Remove excess tile adhesive from the joints to a depth of at least 2/3 of the tile thickness.
- Before grouting, make sure that the tile adhesive has completely set and released most of its moisture. Tile joints must not be wet during application.
- Protect adjacent surfaces with masking tape where necessary to avoid staining, especially while grouting natural stones or polished tiles.



MIXING

- Pour the required quantity of clean water into a clean mixing container.
- Slowly add Velwiin Color Fine Tile Grout powder into the water while continuously mixing by hand or with a low-speed mechanical mixer (less than 300 RPM).
- Avoid excessive mixing or high-speed mixing as it may introduce air into the mix.
- Mix until a smooth, lump-free and uniform coloured paste is obtained.
- Allow the mixture to stand (slake) for 2–5 minutes, then remix before application.
- Use the prepared grout within 60 minutes of mixing.

APPLICATION

- Apply the mixed grout using a hard rubber grout float or rubber squeeze and press the grout firmly into the tile joints.
- Hold the grout float at approximately 90° to the tile surface and move diagonally across the joints at about 45° to ensure complete filling without pulling grout out of the joints.
- Work in small areas to achieve better control during application and cleaning.
- Ensure that all joints are completely filled and compacted. The grout should penetrate the full depth of the joint and should not remain only on the surface.

CLEANING & FINISHING

- Remove excess grout from the tile surface within 30–45 minutes, before the grout begins to harden.
- Initially clean the surface using a slightly damp sponge to remove grout residue.
- Move the sponge gently in a circular motion while maintaining a smooth and even joint profile.
- After the grout has sufficiently hardened, remove any remaining grout haze using a suitable tile cleaner without damaging the finished joints.
- Clean all tools, containers and application equipment immediately with clean water before the grout hardens

PRECAUTIONS & NOTE

- Do not apply grout into wet or damp tile joints.
- Do not add extra water after the grout has begun to set.
- Avoid over-mixing, as it may reduce working time and affect product performance.
- Do not allow grout to dry on the tile surface. Clean promptly after application.
- During cleaning, change the cleaning water frequently and use a clean sponge for best results.
- Protect freshly grouted areas from rain, running water and foot traffic for at least 24 hours.
- For natural stones and polished marble, perform a trial application before grouting to check for possible staining or colour absorption. Use a suitable sealer if required.

COVERAGE

CONSUMPTION TABLE DEPENDS ON TILE SIZE AND JOINT WIDTH (kg/m²)

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Tile Dimension (mm)	Joint Width (mm)
Length × Width × Thickness	2
25 × 25 × 6	1.68
25 × 50 × 6	1.26
50 × 50 × 6	0.84
100 × 100 × 6	0.42
300 × 300 × 6	0.14
600 × 600 × 8	0.09
800 × 800 × 8	0.07
1200 × 600 × 10	0.09
1200 × 1200 × 12	0.07
1800 × 1200 × 12	0.06

FORMULA FOR COVERAGE CALCULATION

$$C = 1.75 \times H \times T \times [(L + W) \div (L \times W)]$$

Where:

C = Tile Grout Consumption (kg/m²)

H = Tile Thickness (mm)

T = Joint Width (mm)

L = Tile Length (mm)

W = Tile Width (mm)

PACKAGING

Velwiin Color Fine Tile Grout is available in : 1 kg

SHELF LIFE

12 months from the date of manufacture when stored in unopened original packing under dry conditions, away from direct sunlight, moisture and excessive heat.

SAFETY PRECAUTIONS

- Keep out of reach of children.
- Wear suitable protective gloves, safety glasses and protective clothing during application.
- Avoid contact with eyes and prolonged skin contact.
- In case of skin contact, wash immediately with plenty of clean water.
- In case of eye contact, rinse immediately with clean water and seek medical attention if irritation persists.
- Do not inhale dust while mixing.
- For detailed health and safety information, refer to the relevant Material Safety Data Sheet (MSDS).

DISCLAIMER

The information contained in this Technical Data Sheet is based on laboratory testing and practical experience. However, as site conditions, substrate quality, workmanship and methods of application are beyond our control, Velwiin Chemicals does not accept liability for any loss or damage arising from improper use or application of the product.

Users are advised to carry out a suitability test before full-scale application. Velwiin Chemicals reserves the right to modify product specifications and technical information without prior notice as part of its continuous product development programme.

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