ALSHOULA
TILE GROUT

High-Performance Polymer-Modified Cementitious Tile Grout (CG2WA)

Document: Technical Data Sheet | Revision: 01 | Date: November 2026

1. Product Description

ALSHOULA TILE GROUT is a high-performance, polymer-modified cementitious joint filler supplied as a fine dry powder requiring only the addition of clean water.

It is specially formulated to provide durable, uniform and smooth tile joints with reduced water absorption and high abrasion resistance.

The product is designed for filling joints between ceramic tiles, porcelain tiles, marble, granite and suitable natural stone in interior and exterior wall and floor applications.

Suitable for tile joints ranging from 1 mm to 6 mm.

2. Areas of Application

- Grouting joints between ceramic and porcelain tiles.
- Filling joints between marble, granite and suitable natural stone.
- Interior and exterior wall and floor applications.
- Bathrooms, kitchens and other domestic wet areas.
- Residential and commercial tiled surfaces.
- Areas subject to regular cleaning and normal foot traffic.

3. Features and Benefits

- Low Water Absorption: Helps reduce water penetration into the grout structure.
- High Abrasion Resistance: Provides a durable joint surface with good resistance to mechanical wear.
- Reduced Shrinkage: Formulated to minimize shrinkage during curing.
- Smooth Finish: Produces uniform and aesthetically pleasing tile joints.
- Good Workability: Provides a smooth consistency for easy application and joint filling.
- Easy Cleaning: Allows convenient removal of excess material from tile surfaces during application.
- Interior and Exterior Use: Suitable for both applications under recommended conditions.

AT A GLANCE

PACKAGING	APPLICATION TEMPERATURE	SHELF LIFE
5 kg bags	+5°C to +35°C	12 months

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TECHNICAL DATA

4. Technical Specifications

The following values are indicative target specifications and must be confirmed through appropriate laboratory testing.

Property	Typical Value
Product Type	Polymer-Modified Cementitious Tile Grout
Appearance	Fine Dry Powder
Colour	Available in colours according to the product colour catalogue and customer order
Target Classification	CG2WA
Joint Width	1–6 mm
Fresh Density	Approx. 1.80–1.90 kg/L
Mixing Water	Approx. 1.4–1.6 L per 5 kg bag
Compressive Strength	Target ≥ 15 N/mm²
Flexural Strength	Target ≥ 2.5 N/mm²
Abrasion Resistance	Target ≤ 1000 mm³
Water Absorption after 30 min	Target ≤ 2.0 g
Water Absorption after 240 min	Target ≤ 5.0 g
Shrinkage	Target ≤ 3.0 mm/m
Pot Life	Approx. 60 minutes at 25°C
Application Temperature	+5°C to +35°C
Initial Cleaning	Approx. 15–30 minutes, depending on conditions
Light Foot Traffic	After approximately 24 hours
Packaging	5 kg bags
Shelf Life	12 months

Classification and performance values are subject to verification through the applicable test methods under EN 13888-1.

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COVERAGE AND CONSUMPTION

5. Coverage and Consumption

Grout consumption depends on tile dimensions, tile thickness, joint width and joint depth.

Consumption Formula (kg/m²):

Consumption = [(A + B) / (A × B)] × C × D × 1.7

Where:
- A = Tile Length (mm)
- B = Tile Width (mm)
- C = Tile Thickness (mm)
- D = Joint Width (mm)
- 1.7 = Approximate grout density (kg/L)

Tile Dimensions	Joint Width	Approx. Consumption
300 × 300 × 8 mm	2 mm	0.18 kg/m²
600 × 600 × 10 mm	2 mm	0.11 kg/m²
600 × 1200 × 10 mm	2 mm	0.08 kg/m²

Actual consumption may vary depending on tile dimensions, joint depth, installation conditions and application losses.

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APPLICATION GUIDE

6. Application Procedure

6.1 Joint Preparation

- Ensure the tile adhesive has sufficiently hardened before grouting.
- Joints must be clean and free from dust, excess adhesive, oil and other contaminants.
- Remove excess adhesive from the joints to provide sufficient depth for proper grout filling.
- Ensure consistent joint depth throughout the installation.
- Avoid standing water inside the joints.

6.2 Mixing

- Add approximately 1.4–1.6 litres of clean water to a clean mixing container per 5 kg bag.
- Gradually add the powder while mixing with a low-speed mechanical mixer (300–400 rpm).
- Mix for approximately 3 minutes until a smooth, homogeneous and lump-free paste is obtained.
- Allow the mixture to stand for approximately 3 minutes.
- Remix briefly before application.

Do not add cement, sand or other additives. Do not retemper the mixture with additional water after setting has begun.

6.3 Application

- Apply the grout diagonally across the tile joints using a suitable rubber grout float.
- Press the material firmly into the joints to ensure complete and uniform filling.
- Remove excess grout from the tile surface using the edge of the rubber float.
- Allow the grout to begin setting before initial cleaning.

6.4 Cleaning and Finishing

- Initial cleaning generally begins after approximately 15–30 minutes, depending on temperature and site conditions.
- Use a clean, slightly damp sponge to remove excess grout from the tile surface.
- Clean diagonally across the joints to avoid removing grout from the joints.
- Rinse the sponge frequently with clean water.
- After the grout has dried sufficiently, remove any remaining surface haze using a clean, dry cloth.

Avoid excessive water during cleaning, as it may affect the final grout colour and surface quality.

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HANDLING & SUPPLY

7. Drying and Curing

Stage	Indicative Time
Initial Cleaning	15–30 minutes
Light Foot Traffic	Approximately 24 hours
Regular Cleaning / Service	After sufficient curing

Drying and curing times depend on temperature, humidity, joint dimensions and site conditions.
Protect freshly applied grout from excessive water, direct sunlight, strong wind and rapid drying during the initial curing period.

8. Packaging and Storage

- Packaging: 5 kg multi-layer moisture-resistant bags.
- Storage: Store in a cool, dry and covered area.
- Keep bags on elevated wooden pallets.
- Protect from moisture, rain and direct sunlight.
- Keep bags sealed until use.
- Shelf Life: 12 months from the manufacturing date when stored in original unopened packaging under recommended conditions.

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SAFETY & SUPPORT

9. Safety Precautions

- Contains cement and may cause skin and eye irritation.
- Wear suitable protective gloves, safety goggles and a dust mask during handling and application.
- Avoid inhalation of dust and direct contact with skin and eyes.
- In case of eye contact, rinse immediately with plenty of clean water and seek medical attention.
- Refer to the Safety Data Sheet (SDS) for detailed safety information.

10. Important Notes

- Ensure the tile adhesive has sufficiently hardened before grouting.
- The product is intended for filling tile joints and is not a waterproofing membrane.
- Use the correct water ratio to maintain consistent colour and performance.
- Avoid excessive water during mixing and cleaning.
- Colour appearance may vary depending on water quantity, joint depth, substrate conditions and cleaning technique.
- For natural stone and sensitive tile surfaces, conduct a preliminary compatibility and cleaning test.
- Movement and expansion joints must be treated using an appropriate flexible sealant rather than cementitious grout.
- The recommended joint width for most standard ceramic and porcelain tile installations is typically 2–5 mm. Narrower joints of 1–2 mm may be used with suitable rectified tiles, while wider joints up to 6 mm are suitable when permitted by the tile manufacturer’s recommendations and installation requirements.

11. Manufacturer Information

ALSHOULA ADHESIVES FACTORY
Product: ALSHOULA TILE GROUT
Document: Technical Data Sheet (TDS)
Revision: 01
Date: November 2026

Disclaimer:
The technical information provided in this document represents indicative product specifications based on formulation data and practical application experience. Declared performance values and classification are subject to verification through appropriate laboratory testing under EN 13888-1. Application conditions, substrate characteristics and workmanship may affect the final results. Users are responsible for conducting suitability tests under actual site conditions before use.