

Ducon Tile Joint Filler

(CEMENTITIOUS BASE)

TECHNICAL DATA SHEET (TDS)



CEMENTITIOUS FLOOR/WALL TILE GROUT FOR JOINTS

DESCRIPTION

DUCON Tile Joint Filler is a polymer-modified cementitious grout specially designed for filling tile joints in wall and floor applications. It provides excellent adhesion, water resistance, low shrinkage, and durable performance with a smooth finish. Suitable for residential, commercial, and wet-area applications.

RECOMMENDED USE

- Ceramic and porcelain tile joints
- Wall and floor tile applications
- Bathrooms and kitchens
- Swimming pools and wet areas
- Hospitals and laboratories
- Residential, commercial, industrial buildings
- Indoor and outdoor applications.

FEATURES AND BENIFITS

- Excellent adhesion to tile edges
- Water-resistant and low permeability
- Low shrinkage performance
- Abrasion-resistant and durable finish
- Smooth and easy-to-clean surface
- Suitable for interior and exterior applications
- Resistant to fungal and mould growth
- Available in multiple colour options

PACKAGING

Pack Size	Packaging Type
1 kg	Laminated Pouch

PRODUCT COMPONENTS

Component	Description
Base Material	Polymer-modified cementitious powder
Fillers	silica fillers
Additives	Performance-enhancing additives
Colour Pigments	Inorganic colour pigments

PERFORMANCE TEST DATA

Compressive Strength (ASTM C 579)	≥20 N/mm ²
Shrinkage % (ASTM D 955)	<0.1%
Tensile strength (BS 6319)	>10 N/m m ² (7 days)
Water absorption (ASTM D 570)	<0.1%
VOC Content	Solvent free
Service Temperature	Continuous Exposure: Up to +50°C Short-Term Exposure: Up to +80°C
Shelf life	12 months

TECHNICAL DATA

Working time (25°C)	approx. 20-25 minutes
Application temperature:	10 – 35°C (min. 3°C above dew point)
Density	1680 kg/m ³
Viscosity	1200-2500 mPas
Material consumption	1.9 kg/m ² per mm 5.7 – 7.6 kg/m ² for 3 -4 mm
Moisture content limit	≤4%
Over coating (23°C)	within 12 - 24hours
Cure time to withstand*: Foottraffic Heavy traffic Exposure to chemical	after 12 – 20 hours after 3 days after 7 days

Statement of Responsibility (Disclaimer)

The technical information and application advise are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

Ducon Polymer Flooring (DPF)

www.duconasia.com

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APPLICATION PROCEDURE

General

DUCON Tile Joint Filler shall be applied in accordance with recommended application guidelines and should only be installed by trained and qualified personnel. Ensure that application conditions, substrate preparation, mixing procedures, and curing requirements are properly maintained to achieve optimum performance and durability.

Surface Preparation

Ensure tile joints are clean, dry, and free from dust, grease, adhesive residue, loose particles, and contaminants. Remove tile spacers and clean the joints properly before application.

Mixing Procedure

Pour the recommended quantity of clean water into a suitable container. Gradually add DUCON Tile Joint Filler powder while mixing with a slow-speed mixer until a homogeneous, lump-free consistency is achieved. Allow the mixed material to stand for 2–3 minutes and remix before use.

Application

Apply DUCON Tile Joint Filler using a rubber grout float or suitable grout applicator and completely fill the joints. Press the material firmly into the joints to ensure proper compaction and uniform filling.

Cleaning

Remove excess material from the tile surface by moving the grout float diagonally across the joints. When the grout becomes touch-dry, clean the tile surface using a damp sponge and fresh water.

Curing

Protect the applied area from water, dust, and traffic during curing.

- Foot Traffic: 24 hours
- Full Cure: 7 days

Storage

Store in original unopened packaging under dry conditions, protected from moisture, direct sunlight, and extreme temperatures. Recommended storage temperature: +5°C to +35°C.

Shelf Life

12 months from the date of manufacture when stored under recommended conditions in original sealed packaging.

Precautions

Avoid contact with eyes and skin during handling and application. Wear suitable PPE including gloves and eye protection. Keep out of reach of children. Refer to the Safety Data Sheet (SDS/MSDS) for detailed handling and safety information.

Technical Support

DUCON provides technical support and application guidance through qualified technical personnel. For further information regarding product selection, application methods, and project-specific recommendations, please contact the DUCON Technical Service Department.

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