



MEP®.JOINT **FLEX**

Scratch resistant, water repellent,
flexible tile grout

- Non-shrink properties (up to 10mm)
- “Flex” properties to absorb limited substrate movement
- Optimize bond strength

PRODUCT DESCRIPTION

MEP®. JOINT **FLEX** is a scratch resistant, water-repellent, flexible tile grout

USES

MEP®. JOINT **FLEX** is designed for grouting ceramic, porcelain, mosaic, natural stone...

- Interior / External floor
- Interior / External wall
- Pool or pond

MEP®. JOINT **FLEX** is recommended for:

- Pointing tile subjected to limited substrate movement
- Pointing tile subjected to medium/heavy traffic: malls, hotels, showrooms...
- Pointing tile subjected to constant water immersion (pool, pond...)

FEATURES AND BENEFITS

- Scratch-resistant formulation
- Suitable for joint widths up to 10mm
- Limited flexibility to absorb movement from the substrate
- Water-repellent surface for reduced water penetration and improved resistance to staining
- Contains anti-fungus admixtures for lasting protection from mould growth

TECHNICAL CHARACTERISTICS

REFERENCE MATERIAL - CE CERTIFICAT No 16-13431-2781

Product norm:	EN 13 888
Test norms :	EN 12808-3 / EN 12808-4 / EN 12808-5
Flammability:	EN 13501-1
Good practices:	DTU 52.1 / 52.2

CHEMICAL CONTENT

White and/or grey Portland cement (CEM I), selected silica sand, pigment, water repellent additive, anti-fungus agent, specific additive and resins

TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES

Comply to norms EN 12004 / DTU 52.2

POWDER CARATERISTICS

Color:	(Cf. Color chart)
Powder density (kg/m ³):	± 1200
Particle size:	≤ 0.1 mm
Reaction to fire:	Euroclass A1

PASTE CARATERISTICS

Mixing ratio:	± 30%
Paste density:	± 1.6
pH:	≥ 12
Pot life:	≤ 2 hours
Open time:	≤ 45 min
Cleaning	± 20 min
Application temperature:	+5 °C to +35 °C

HARDEN PRODUCT CARATERISTICS

Joint width:	1 to 10mm
Set time / light foot traffic:	≥ 12 hours
Full load traffic:	≥ 24 hours

CEMENT-BASED TILE GROUT

Compressive strength (28 days)	≥ 15 MPa
Flexural (28 days)	≥ 3.5 MPa

Note: setting times are quoted at 20°C and are temperature and humidity dependent

APPLICATION

COVERAGE

Approximate coverage will be 0.5 to 2Kg/m² depending on tile and joint size

A + B

$$\text{-----} \times C \times D \times 1.6 = \text{Kg/m}^2$$

A x B

- A = length of the tile (in mm)
- B = width of the tile (in mm)
- C = thickness of the tile (in mm)
- D = width of the tile (in mm)

The coverage figure given is theoretical due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced

APPLICATION

Surface preparation

- Tiles must be firmly in place
- The joints must be free of excess adhesive and loose material
- Joints should be moistened (not wet) prior to the application of the grout
- Quality of the grout will depend on the uniformity and the cleanness of the joint

Notes:

Adhesive should normally be left for at least 24 hours before grouting, unless using a rapid set adhesive
For swimming pools leave for at least 3 days before grouting

Mixing

Mixing ratio: 6 lts (+/- 0.5lts) water per 20 kg bag

- Gradually add the powder into the required water quantity while mixing to avoid lumps forming
- It is highly recommended to use a low speed mechanical mixer
- Mix thoroughly to a creamy consistency
- Allow mix to gel for 5 min and then remix before use

Application

- Using a rubber float, apply the grout diagonally to the tile to a small area at a time
- Completely fill the joints leaving no voids
- Excess grout should be removed immediately using a rubber float held at 90° to the tiles.
- When the grout has become firm in the joints (will depend on temperatures) the tiles should be cleaned with a clean damp sponge until all residues is removed
- When dry, polish the tiles with a clean, dry cloth

Warning

For porous tiles, speed up cleaning to avoid staining

Allowance for movement

Flexible joints should be incorporated to allow for slight movements due to changes in temperature, humidity etc. as indicated by DTU 52.2:

- Where the tiling meets other materials (e.g. floor perimeters)
- Along all internal corners – vertically and horizontally
- Over existing movement joints or changes in background material
- Dividing large tiled areas into bays

LIMITATION

Do not use for:

- Areas subject to chemical agents: use **MEP®. JOINT EPOXY**
- Areas subjected to high-pressure cleaning: use **MEP®. JOINT EPOXY**

RECOMMANDATIONS

- Never add water if the mixture has started to set
- Do not apply in wet weather, or in temperatures below 5°C or over 35°C
- Should the mortar stiffen up then discard the product and mix a fresh batch
- An excess in mixing ratio and a poor preparation of the joints leads to a shading of the grout

PRACTICAL INFORMATIONS

- Packaging: 20kg triple-ply paper bags
- Handling and storage: 6 months if kept in a dry cool place in the original packaging
In more extreme conditions this period might be shortened
- Tools : Low speed mechanical mixer, trowel, rubber float, sponge

IMPORTANT NOTE

SAFETY AND HYGIENE:

All the information about conditions of use, storage, transport and removing chemical waste is available on the product Safety Sheet. The product and its packaging must be disposed of according to current legislation and it is the responsibility of the product end user

LEGAL NOTICE:

Our products are fully covered by a public liability insurance

The data contained in this document is based on our experience and technical knowledge, gained during laboratory assays, and our bibliography.

We will not be responsible for any product applications not indicated in this datasheet. The dosing and usage amount data are only guidelines, based on our experience, and may alter due to atmospheric or on-site conditions. For correct dosing and usage amounts, it is necessary to conduct a trial or assay "in situ", for which the client is responsible. If you have any query or require addition information or clarification, please consult our technical department or website www.mep.co.mu