

SpEC Rainbow Grout LM

POLYMER MODIFIED COLOURED GROUT FOR FLOOR & WALL TILES

DESCRIPTION

SpEC Rainbow Grout LM is a pre-packed, high polymer content coloured tile grout in powder form. Addition of clean mixing water provides a smooth and coloured paste for grouting of all ceramic and mosaic tiles. Once set, it provides a decorative, waterproof and shock resistant finish suitable for interior, exterior and submerged applications.

SpEC Rainbow Grout LM is available in two grades:

- **Standard grade** for tile joints up to 3mm wide
- **Wide Joint grade** for tile joints over 3mm and up to 12mm wide.

TYPICAL USES

SpEC Rainbow Grout LM may be used for waterproof grouting of tile joints in ceramic and mosaic floor and wall tiles, as well as in marble and granite finishes. Such installations include, but are not limited to:

- Floor and wall tiles in wet areas, balconies, facades, plaza decks, corridors, etc
- Ceramic and mosaic tiles in swimming pools, fountains and the like
- Wet fixed marble and granite tiles on floors and walls (see note on marble and granite tiles in Application section)
- Glass blocks and similar decorative elements

ADVANTAGES

- High bond strength
- Excellent waterproof characteristics
- Flexible and shock resistant
- Suitable for internal and external, floor and wall applications
- Can be used in permanently submerged conditions such as pools and fountains
- Can be made in custom colors (subject to minimum quantities)
- Different grades for narrow and wide joints
- Pre-packed - no site blending of powders and liquid admixtures.

RELEVANT STANDARDS

SpEC Rainbow Grout LM conforms to the following international standards:

ANSI A 118.6

ANSI A 118.7

TECHNICAL DATA

Wet density:	1822 kg/m ³
Pot life at 25°C:	45 minutes
Water absorption :	0.98%
Compressive strength:	
7days	25.2N/mm ²
28days	38.6N/mm ²
Linear Shrinkage,%:	
1 day	0.0042
7 days	0.098
Tensile Strength:	
7 days	3.7N/mm ²
Flexural Strength:	
7 days	8.6N/mm ²
TCA Service Rating:	Passed

APPLICATION

Surface preparation

Tiled areas must be at least 24 hours old and free from dust, dirt, grease, oil, excess adhesive and other contaminants. Tiles must be firmly fixed in place and all joints must be clear. Important: Check joint width to determine the grade of grout required.

Mixing

SpEC Rainbow Grout LM must be mixed using a slow speed electric drill (300-350 rpm) with a suitable paddle attachment. Measure 7.5 litres of clean water and pour into a suitable container. Add the bagged powder slowly whilst mixing for about 5 minutes to obtain a smooth, creamy consistency, paying attention to the sides and bottom of the container. Allow to stand for 10-15 minutes before application.

Application

Apply **SpEC Rainbow Grout LM** to the joint using a squeegee, sponge or cloth, ensuring all joints are properly filled. Remove any surplus material from tile surface with a damp cloth before it sets. Once the grout has set, a final cleaning can be carried out. Do not leave the material to cure on tile faces; mechanical removal will result in scratch marks.

Floor Tiles: Protect grouted areas for at least 7 days.

Marble & Granite Tiles: Certain types of porous stones may be prone to staining. Test an area before grouting the entire job.

Profiled Tiles: Ceramic and mosaic tiles with surface profiles may need to be masked before grouting. In any case such tiles must be cleaned carefully to ensure that the grout is not lodged in the profiles.

COLOURS

SpEC Rainbow Grout LM is supplied in standard gray and white colors. Custom colours can be made to order on presentation of colour samples or tiles, whereby color matches will be provided for final selection. Custom colors are supplied at premium rates and under the following terms:

- The minimum quantity per color will be 10 x 15 kg bags; smaller orders cannot be processed.
- Colour production is batch-sensitive and follow-on orders may vary slightly in shades. When feasible different deliveries can be mingled on site to obtain a generally uniform shade.

MOVEMENT JOINTS

SpEC Rainbow Grout LM must not be used to fill movement joints in tiles. Use of an appropriate sealant is recommended in these locations; contact our Technical Department for advice.

EQUIPMENT CLEANING

Tools and equipment should be cleaned with water immediately. Cured material can only be removed mechanically.

PACKAGING & YIELD

SpEC Rainbow Grout LM is supplied in 15 kg-bags. Each bag when mixed with 7.5 litres of water

will provide approximately 11.5 litres of mixed materials.

Indicative usage rates

3x5mm joints in 150 x 150mm tiles - 0.3 Kg/m² approx.

10x10mm joint in 200x100mm tiles - 2.0 Kg/m² approx.

Usage rate depends on joint width/depth and tile dimension/thickness. Rates shown here are for guidance only.

STORAGE & SHELF-LIFE

The material has a shelf life of 6 months when stored off the ground in dry and cool conditions. Discard any open or damaged bags.

HEALTH & SAFETY

SpEC Rainbow Grout LM contains alkalis, and protection should be provided to prevent contact with skin and eyes. Dust inhalation must be avoided during mixing. It is strongly recommended to wear gloves, goggles and dust mask while mixing and using the product. Skin contact shall be washed immediately with plenty of soap and water. Contact with eyes shall be washed immediately with copious amounts of clean water, followed by medical attention.

Dispose of all waste in accordance with the local environmental regulations.

Other SpECTite Tile Products:

- **SpEC Latex WTA** - Cementitious Polymer Modified Waterproof Tile Adhesive
 - **SpEC Rainbow Grout** - Cementitious Tile Grout (Standard and Wide Joint Grades)
 - **SpECTite ETA** - Chemical Resistant Epoxy Tile Adhesive and Grout
 - **SpEC Tuftile** - Colored Germproof Epoxy Tile Adhesive and Grout
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Issue 3 : 11/2011

Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in any connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

SPECIALITY ENGINEERING CHEMICALS

PO Box 61347, Dubai, United Arab Emirates. Telephone: +971 4 883 6662, Fax: +971 4 883 7696

E-mail: info@spec.ae

www.spec.ws

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P.O. Box 3880, Dubai, United Arab Emirates.

Al-Quoz Distribution Centre.

Tel: +971 4 3470767, Fax: +971 4 3470765

E-mail: dubai@esco.ae

P.O. Box 46564, Abu Dhabi, United Arab Emirates.

Tel: +971 2 6784800, Fax: +971 2 6778366

Email: abudhabi@esco.ae

P.O. Box 6156, Sharjah, United Arab Emirates

Tel: +971 6 5420220, Fax: +971 6 5421211

E-mail: sharjah@esco.ae

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