



URS is a member of Registrar of Standards (Holdings) Ltd.

# SpEC

## SpEC Rainbow Grout

COLOURED GROUT FOR FLOOR AND WALL TILES

### DESCRIPTION

**SpEC Rainbow Grout** is a blend of high purity silica, Portland cements, organic polymers and pigments, which when mixed with water, produce a smooth and easily applied creamy paste for clean grouting of floor and wall tiles. Once hardened, the product is resistant to water and the growth of mould.

### TYPICAL USES

**SpEC Rainbow Grout** may be used as a grout for tile joints in interior and exterior applications. Such installations include, but are not limited to, the following:

- Joints in ceramic and mosaic floor and wall tiles in bathrooms, showers, kitchens, fountains, etc
- Joints in wet-fixed marble and granite tiles on floors and walls (see note in Application section)
- Joints in glass blocks and other decorative elements

### ADVANTAGES

- Resistant to mould growth
- Water resistant
- May be used in interior and exterior situations
- Non slump
- Pre-packed - easy to mix and apply
- Custom colours available on request

### RELEVANT STANDARDS

ANSI A 118.6

ANSI A 118.7

### TYPICAL VALUES @ 20 ± 3°C

<b>Wet density</b>	1850 ± 50 Kg/m <sup>3</sup>
<b>Pot life @ 25°C</b>	45 min
<b>Compressive strength</b>	
@ 28 days	20.0 N/mm <sup>2</sup>
<b>Linear Shrinkage</b>	0.0042%

### Tensile strength

@ 28 days 2.0 N/mm<sup>2</sup>

### Flexural strength

@ 28 days 3.0 N/mm<sup>2</sup>

### APPLICATION

#### Surface preparation

It is essential that adequate preparation is carried out prior to the application of **SpEC Rainbow Grout**. Tiles must be firmly fixed and at least 24 hours old and joints must be perfectly clean prior to the application of **SpEC Rainbow Grout**. **SpEC Rainbow Grout** can be applied to joint of width up to 4mm.

#### Mixing

Place around 4.5 litre of water in a mixing pail with a capacity of around 20 litre and slowly add the 15 Kg pack **SpEC Rainbow Grout** whilst mixing with a slow speed electric drill, fitted with a **SpECbuild Mixing Paddle**. Always add powder to water and mix for around 5 minutes to achieve a lump-free paste. Leave the material to stand for 5-10 minutes, and mix it again for 1-2 minutes. Partial mixing of the product is not recommended.

#### Application

Apply **SpEC Rainbow Grout** using a small squeegee, sponge or cloth, ensuring that the product is thoroughly worked into the joints. Profile the joint either by the use of a jointing tool or the tip of a gloved finger. Remove surplus material with a damp cloth before it sets. Do not leave grout to cure on tiles, as mechanical removal will result in scratch marks on tiles. Once the grout has dried, use a wet sponge to carry out the final tile cleaning.

*Note: It is essential to clean tiles that have a surface profile prior to the grout hardening.*

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

**Marble & Granite:** Test an area to ensure any porous tiles will not stain, which may take several days to appear.

**Movement Joints:** Where movement joints exist, these must be filled with an appropriate sealant; consult our Technical Department. Do not use grouts in expansion/movement joints.

### COLOURS

**Standard colours:** grey and white

**Custom colours:** supplied to order based on a minimum quantity of 10 x 15 kg bags. Custom colours are batch sensitive and follow-on orders may vary slightly in shade.

### EQUIPMENT CLEANING

**SpEC Rainbow Grout** should be removed immediately from tools etc. using clean water. Cured material can only be removed by mechanical means.

### PACKAGING & YIELD

**SpEC Rainbow Grout** is supplied in 15 kg bags. When mixed with 4.5 litre of water, each bag will yield approximately 10.5 litre of wet mix. The actual usage rate depends on tile and joint sizes.

### STORAGE & SHELF LIFE

**SpEC Rainbow Grout** has a shelf life of 12 months when stored in original bags in a cool dry environment. Do not store under high heat and humidity, and discard any open or damaged bags.

### HEALTH & SAFETY

**SpEC Rainbow Grout** being cement-based contains

alkalis so protection should be provided to prevent contact with skin and eyes. It is strongly recommended to wear gloves, goggles and dust mask while mixing and using the product. Skin contact shall be washed with plenty of soap and water. Contact with eyes must be washed immediately with copious amounts of clean water. If swallowed do not induce vomiting. Seek medical attention immediately.

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

### Other SpEC Tile Products:

- **SpEC Latex WTA** - Cementitious Polymer Modified Waterproof Tile Adhesive
- **SpECTite ETA** - Chemical resistant epoxy tile grout

Issue 6 : 10/2020

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.ae

Distributed by: **EMIRATES SPECIALITIES CO., L.L.C.**

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

Sharjah: Tel: +971 6 5431716, Fax: +971 6 5431909