Kemgrout Flexible

Waterproof tile grout – mould and fungi resistant

Description

A dense, smooth, hard-wearing, flexible, polymer-modified, portland cement floor and wall grouting compound with resistance to mould and fungi growth for joints up to 5mm wide.

Uses

A smooth, hard-wearing grout formulated for interior, exterior, wet area floor and wall grouting applications.

Features

• Easy to use and clean
• Dense, flexible and hard-wearing
• Colour matches tiles
• Mould and fungi resistant

Coverage (Approximate)

Wall tiles 0.5 kg/m^2
Mosaics 1.0 kg/m^2
Over 3mm joints 1-2 kg/m^2
Refer to website grout calculator for other sizes.

Performance Data

Compression Strength (ASTM C109) 20MPa
Moisture Absorption (ASTM C413) 5%

Specification

The grout shall be a flexible polymer modified waterproof tile grout with a minimum compression strength of 20MPa such as **Kemgrout Flexible** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's application instructions.

Preparation

Grout joint sizes should be a minimum of 2mm internally and a minimum of 4mm externally or as specified by the tile manufacturer and AS3958.1. **Do not** fix tiles with tight joints. When grouting joints of less than 3mm we recommend mixing the grout with **Primebond**. Greater care is needed to place the grout deep into joints before pointing the joints to compact the grout surface. The adhesive must be completely set and the grout joint uniformly 70% clean of adhesive.

Mixing

Mix grout to a thick, uniform, creamy mixture by adding powder to clean water using a low speed drill - mix ratio of approx. 0.5 litres of water to 2kg of powder. Do not over mix, or add excessive water as shrinkage cracks may result. Allow to stand 3-5 minutes then restir before use. Use the mixture within 20 minutes of preparation.

Application

Grout tiles after the adhesive has had sufficient time to set – 24 hours for walls and 48 hours for floors. Dampen the tile joint with a sponge and apply the prepared grout, spreading 3m^2 at a time, working well into the joints with a sponge, grouting tool or piece of rubber. Point joints with the edge of a grouting tool or piece of rubber to pack grout firmly into place. Remove surplus grout with a clean, damp cloth or sponge. Do not allow the grout to harden on the face of the tiles. When a haze forms over the tiles, polish carefully with a dry cloth and remove haze completely. Allow grout to cure for 24 hours @ 23˚C @ 50% relative humidity. Apply in temperatures between 10-30°C. **Do not use acids in cleanup water**.

Improve grout performance

Mix grout with **Primebond** to improve impact, flexural strength and increase resistance to staining and discolouration.

Precaution

Colour shade variations can occur due to tile porosity, finishing techniques and site conditions. **Cracking and colour variations can occur if excessive water is used in mixing or cleanup**. Grout discolouration or patchy grout can occur in low temperatures/damp conditions if the adhesive bed is not fully cured, and when excessive mixing and cleanup water is used. Water must be uncontaminated/potable. Do not use **Kemgrout Flexible** in expansion/movement joints, use a silicone sealant. Prior to grouting, remove waxes and release agents from the tile surface to prevent grout discolouration. In swimming pools use **Kemgrout Sanded** mixed with **Primebond**.

Safety Precautions

Non-toxic but contains cement which contains silica. Wear gloves and appropriate respirator. Further information for this product is contained in the Safety Data Sheet.
Refer; www.constructionchemicals.com.au

Shelf Life

When stored in the original, unopened packaging, in a dry place @ 23°C @ 50% relative humidity, the product has a 12 month shelf life.