



# QUICSEAL 613

Epoxy Grout

## Description

QUICSEAL 613 EPOXY GROUT is a specially formulated three-component epoxy resin based product mixed with silica sand and special additives to obtain a bonding paste with extremely high adhesion strength. QUICSEAL 613 EPOXY GROUT adheres well to most surfaces and hardens rapidly without noticeable shrinkage to allow early foot trafficking. Once cured, EPOXY GROUT mortars are highly resistant to water and chemicals.

## Typical Uses

QUICSEAL 613 is a chemical resistant grout and adhesive for both wall and floor applications:

- Internal and external areas; ceramic tiles, homogenous tiles, quarry tiles, agglomerates (artificial stones), natural & moisture sensitive stones, etc.
- Areas subjected to chemical contact such as dairies, breweries, food and chemical industries, swimming pools
- Areas subjected to heavy traffic such as walkways and pavements, etc.

## Advantages

- Available in many colours
- Good chemical resistance
- Excellent abrasion resistance
- Excellent water resistance
- Water cleanable

## Substrate Preparation

The substrates must be clean and sound, free of dust and loose particles. Laitance, oil, grease, mould release agents or curing compound must be removed from concrete surfaces by using wire brush, scabblor or other means.

## Preparing the Mix

Mix QUICSEAL 613 (Part A) and Part B together in a clean pail thoroughly using a low speed mechanical paddle mixer for 3-5 minutes. Pour QUICSEAL 613 Part C into the blend and mix for approximately 3 minutes until a homogeneous paste is achieved.

## Grouting Tile Joints

Apply the QUICSEAL 613 paste with a hard rubber trowel to fill the joints completely. Remove the surplus paste with a damp nylon scrub pad or sponge. Rinse the sponge with clean water. Continue this process until all excess grout have been removed. Leave for at least 24 hours before allowing foot traffic.

## N.B.

Do not use QUICSEAL 613 to grout terracotta tile joints. When grouting unglazed impervious tiles or tiles of contrasting color (i.e. beige coloured QUICSEAL 613 against white tiles), a preliminary test is recommended. Pre-treatment of such tiles with a suitable impregnator may be necessary prior to grouting work.

## Cleaning

Cleaning should begin immediately after application. All tools and hands may be cleaned with abundant water before the adhesive sets. After setting, cleaning can only be done by mechanical means.

## Technical Data

Product Type	Solvent-free, epoxy-based
Colour	Standard colours available
Density of Mix	1.88 ± 0.06g/ml
Consistency of Mix	Pasty
Pot Life	About 30 - 50 minutes @ 25°C
Ready for Traffic	After 24 hours
Bond Strength to Concrete (ASTM D4541)	
-1 day	>3.0MPa (cohesion failure within concrete)
-7 days	>3.5MPa (cohesion failure within concrete)
Compressive Strength (ASTM D695)	60 ± 5 MPa
Chemical Resistance	
-18% Hydrochloric Acid	Good
-Sodium Hydrochloride (13% m/m of active chloride)	Excellent
Ratio by Weight (A : B : C)	1.0 : 0.6 : 4.4

**Coverage**

For grouting tile joints, consumption depends on the tile dimension and joint

**Packaging**

QUICSEAL 613 is supplied in 6kg set

**Storage**

12 months in a cool and ventilated place in the original packaging.

**Important Notes**

The information set forth herein is furnished free of charge in good faith and is based on technical data that QUICSEAL considers to be reliable. This information is intended for use by persons having technical skill and at their own discretion and risk. Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of QUICSEAL products as of the date of publication of this document. QUICSEAL makes no other warranties and assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, please contact QUICSEAL.

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