



ONE-COMPONENT



LIQUID-FORM

QUICSEAL 606

Tile-Flex

Description

QUICSEAL 606 TILEFLEX is a specially formulated acrylic latex blended with high quality fillers and aggregates to be mixed with cement, to obtain bonding mortars with extremely high flexibility and adhesion strength.

QUICSEAL 606 mortar provides excellent adhesion to most surfaces and hardens without noticeable shrinkage.

Once cured, QUICSEAL 606 mortar is resistant to water and mild chemicals and durable to shocks, impact, extreme flexing, vibrations and temperature changes.

Uses

QUICSEAL 606 is suitable for bonding ceramic tiles, quarry tiles, klinker, mosaics, natural stones, glass mosaics etc.:

- for both wall and floor installations;
- for internal and external areas;
- on conventional cement-sand screeds and renders.
- on swimming pools and jacuzzis;
- on fountains, ponds and water tanks;
- on external facades such as balconies and terraces;
- on areas subjected to chemical contact such as dairies, breweries, food and chemical industries;
- for tile-on-tile installations;
- for areas subjected to heavy traffic such as walkways and pavements;
- on highly flexible substrates such plywood, gypsum boards, cem-boards, etc.;
- on external wall tiling.

Limitations

Do not use QUICSEAL 606 mortars to bond moisture sensitive stones.

Substrate Preparation

Substrates must be level, solid and stable. All loose particles, oil, grease, paint, wax or any substance that may inhibit adhesion must be removed.

Extremely porous and powdery substrates (e.g. gypsum or prefabricated panels, etc.) should be treated with QUICSEAL 113 PRIMER C before laying tiles with QUICSEAL 606 adhesive.

It is advisable to allow screeds and renders to cure for at least 7 days and surfaces which have become heated from exposure from direct sunlight should be dampened with water to prevent premature curing.

Preparing the mix

Add 1.5 parts cement to 2 parts of QUICSEAL 606 by weight and mix with a low speed mechanical mixer until a homogeneous paste. Allow the paste to stand for 5 minutes and re-stir before using.

Application

To achieve good adhesion, firstly apply a thin coat of QUICSEAL 606 paste onto the substrate by using the straight edge of the trowel followed immediately with the appropriate amount of adhesive to achieve the required thickness. The correct notched trowel size to use will depend on the type and size of the tiles. For large sized tiles and tiles with lugs and grooves, apply a coat of QUICSEAL 606 adhesive to the back of the tiles.

Lay the tiles onto the adhesive and ensure that a firm pressure is applied to achieve good contact with the adhesive.

Unfavourable climatic conditions such as strong sunlight, wind and high temperature, etc. and very porous substrates may reduce the open time of the adhesive.

Hence, careful checks have to be made to ensure that skinning does not occur on the surface of the adhesive before laying the tiles. If a skinning has occurred, rework the adhesive before laying the tiles. The tiles must be adjusted within 30 minutes after laying and must be protected from rain or strong sun for at least 24 hours.

Grouting Tile Joints

Tile joints can be grouted usually 24 hours after laying the tiles.

Cleaning

All tools and hands may be cleaned with abundant water before the adhesive sets. After setting, cleaning becomes very difficult but can usually be helped by solvents.

Coverage

The approximate quantity of QUICSEAL 606 mix for bonding:

- small size tiles and mosaics is 2 ~ 3 kg/m²;
- normal size tiles is 3 ~ 4 kg/m²;
- large size tiles 5 ~ 6 kg/m².

The coverage is also affected by the condition of the substrate and tile size.

Technical Data

Product Type	Paste
Colour	Beige
PH	8 - 9
Mixing Ratio	2 parts of QUICSEAL 606 : 1.5 parts cement (by weight)
Density of Mix	1.85 g/cm ³
PH of Mix	12 - 13
Pot Life	Approx. 6 hours
Application Temperature	From 5 ^o C to 40 ^o C
Open Time	Approx. 15 – 20 minutes
Adjustability Time	Approx. 30 minutes
Ready for Traffic	After 24 hours
Service Temperature	from – 30 ^o C to +90 ^o C
Tensile Adhesion Bond Strength (BS EN 1348: 1999)	>3.0 N/mm ²
Transverse Deformation (BS EN 12002:2002)	>3.0 N/mm ²

Packaging

QUICSEAL 606 is supplied in 5 and 20 kg pails.

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 used 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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