QUICSEAL 601H

Tilebond Flex H

High bond strength

Flexible (S1 Rated)

Water resistant

Extended open time

Suitable for internal & external use

Wall and floor applications

Excellent workability and easy application

MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 • ISO 14001

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QUICSEAL 601H

Tilebond Flex H

DESCRIPTION

QUICSEAL 601H Tilebond Flex H is a grey or white powder adhesive composed of cement, graded fine sand, synthetic resins and specially formulated additives to be mixed with water as a thin-set tile adhesive with very good adhesion strength.
When cured, QUICSEAL 601H is water resistant and has excellent thixotropic and shrinkage control properties.

CLASSIFICATION :

EN 12004: C2ES1

TYPICAL USES

QUICSEAL 601H is suitable for bonding ceramic tiles, quarry tiles, klinker, mosaics, natural stones, etc.

- Both wall and floor;
- Internal and external areas;
- Conventional cement-sand screeds and renders;
- Drywall board and plywood which are firmly fixed;
- Existing tiled surface.

LIMITATIONS

Do not use QUICSEAL 601H to:

- Bond tiles on walls subjected to extreme flexing and vibration (such as very thin plywood and gypsum board walls). Use QUICSEAL 605 MULTIPURPOSE PASTE or QUICSEAL 606 TILEFLEX;
- Bond tiles on metal surfaces or bond moisture sensitive stones. Use QUICSEAL 612 TILEPOXY.

SUBSTRATE PREPARATION

The substrates must be levelled, 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, scabbler or other means.

Extremely porous and powdery substrates (e.g. gypsum or prefabricated plaster panels, etc.) should be treated with QUICSEAL 113 PRIMER C before laying tiles with QUICSEAL 601H adhesive.
It is advisable to allow screeds and renders to cure for at least 7 days and surfaces which have become heated from exposure to direct sunlight should be dampened with water to prevent premature curing.

MIXING INSTRUCTIONS

Pour 5.75 - 6.25 litres of water into a clean container. Slowly add 25 kg of QUICSEAL 601H and mix with a slow speed mechanical mixer until homogenous and lump free paste is obtained. Allow the mix to stand for 5 minutes and re-stir before use.

TECHINICAL DATA

Product Type	Powder
Colour	Grey or White
Mixing Ratio	Approx. 5.75 – 6.25 litres of water: 25kg of QUICSEAL 601H
Density of Mix	1.6 g/cm^3
Pot Life	Approx. 2 hours
Application Temperature	+5˚C to +45˚C
Open Time	Approx. 30 minutes
Adjustability	Approx. 20 minutes
Ready for Light Traffic	24 hours
Service Temperature	-30˚C to 90˚C

CLASSIFICATION/ QUICSEAL 601H	DESCRIPTION	EN 12004 REQUIREMENT
C2 Passed Passed Passed	Adhesion Strength 28 days' Water immersion Heat ageing	 ≥ 1.0 N/mm^2 ≥ 1.0 N/mm^2 ≥ 1.0 N/mm^2
E Passed	Extended Open Time	≥ 0.5 N/ mm^2 after 30 minutes
S1 Passed	Deformable Adhesive	≥ 2.5mm and < 5mm

APPLICATION

To achieve good adhesion, firstly apply a thin coat of QUICSEAL 601H adhesive firmly onto the substrate using the straight edge of the trowel followed immediately with the appropriate amount of adhesive with the notch side 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,

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apply a coat of QUICSEAL 601H adhesive to the back of the tiles to ensure sufficient coverage when laid.
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 15 minutes after laying and must be protected from rain or strong sun for at least 24 hours.

For thin bed installations
Tile joints can be grouted usually 6 to 8 hours after laying the tiles

For thick bed installations
Tile joints can be grouted approximately 24 hours after laying the tiles, depending on the absorbency.

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 mechanical means.

COVERAGE
Approximate 1.6kg per m^2 per 1mm thick
The coverage is determined by the condition of the substrate.

PACKING
QUICEAL 601H is supplied in 25 kg bags.

STORAGE
12 months in a dry 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 ARDEX-QUICSEAL

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