QUICSEAL 604 + QUICSEAL 602

Tilemix (Type II) + Thinset Powder

Two-Component Tile Adhesive

Superior Bond Strength

Non-slip, water-resistant

For Internal & External Applications

Tile-on-Tile Installation

EN 12004 C2TES1

Green product certified material

MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 · ISO 14001

ARDEX-QUICSEAL SINGAPORE PTE. LTD.
26 Tuas Ave 4 Singapore 639376
Telephone: +65 6861 7700
Fax: +65 6741 4666
Email: sales@ardex-quicseal.com
Website: www.ardex-quicseal.com

QUICSEAL 604 + QUICSEAL 602

Tilemix (Type II) + Thinset Powder

DESCRIPTION

QUICSEAL 604 + QUICSEAL 602 is a specially formulated two component acrylic based polymer tile adhesive designed to bond all types of tiles and natural stones.

QUICSEAL 604 + QUICSEAL 602 adheres well to most surfaces and hardens without noticeable shrinkage. Once cured, QUICSEAL 604 + QUICSEAL 602 is resistant to water and mild chemicals as well as durable to shocks vibrations and temperature changes.

CLASSIFICATION:

EN 12004 : C2TES1

TYPICAL USES

QUICSEAL 604 + QUICSEAL 602 is suitable for bonding ceramic tiles, quarry tiles, klinkers, 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, terraces;
- For tile-on-tile installations;
- External wall;
- On areas subjected to heavy traffic such as walkways and pavements.

LIMITATIONS

Do not use QUICSEAL 604 + QUICSEAL 602 to:

- Bond tiles on metal surfaces. Use QUICSEAL 612 TILEPOXY;
- Bond moisture sensitive agglomerates. Use QUICSEAL 612 TILEPOXY.

SUBSTRATE PREPARATION

The substrates must be clean and sound, free of dust and loose particles. Laitance, oil and grease must be removed from concrete surfaces by using wire brush, scabbler or other means.
Mould release agents or any foreign contaminants which may inhibit the adhesion to the substrate must also be removed.

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 604 + QUICSEAL 602.
It is advisable to allow screeds and renders to cure for at least 7 days and surfaces that have become heated from exposure to direct sunlight should be dampened with water to prevent premature curing.

MIXING INSTRUCTIONS

Pour 1 part of QUICSEAL 604 Tilemix (Type II) into a clean container and slowly add 4 parts QUICSEAL 602 Thin-Set Powder by weight and stir with a low-speed mechanical mixer and until a homogeneous and lump free paste is obtained. Leave to rest for 5 minutes and re-stir before use.

TECHNICAL DATA

QUICSEAL 604	Liquid
Colour	Whitish
Density	1.01 ± 0.02 g/cm^3
QUICSEAL 602	Grey or white powder
QUICSEAL 604 + QUICSEAL 602	
Mixing Ratio	1 part QUICSEAL 604 : 4 parts of QUICSEAL 602
Density of Mix	1.3 – 1.4g/ml
Pot Life	Approx. 90 minutes
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
Water Absorption	< 4%

QUICSEAL 604 + QUICSEAL602

Tilemix (Type II) + Thinset Powder

CLASSIFICATION / QUICSEAL 604+602	DESCRIPTION	EN 12004 REQUIRE-MENT
C2 Passed Passed Passed	Adhesion Strength 28 days' Water immer-sion Heat ageing	≥ 1.0 N/mm² ≥ 1.0 N/mm² ≥ 1.0 N/mm²
T Passed	Slip	≤ 0.5mm
E Passed	Extended Open Time	≥ 0.5 N/ mm² after 30 minutes
S1 Passed	Deformable Adhesive	≥ 2.5mm and < 5mm

APPLICATION

To achieve good adhesion, firstly apply a thin coat of QUICSEAL 604 + QUICSEAL 602 firmly onto the sub-strate 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, apply a coat of QUICSEAL 604 + QUICSEAL 602 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 con-tact 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 20 minutes after laying and must be protected from rain or strong sun for at least 24 hours. Tile joints can be grouted usu-ally 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 mechanical means.

HEALTH & SAFETY

QUICSEAL 604 + QUICSEAL 602 is non-toxic and non-flammable. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice.
QUICSEAL 604 + QUICSEAL 602 is slightly alkaline and skin contact should be avoided. Gloves and goggles should be worn.

COVERAGE

Approximate 1.3 - 1.4kg per m² per 1mm thick
The coverage is determined by the condition of the substrate.

PACKING

QUICSEAL 604 is supplied in 5 kg, 20 kg and 200 kg drums.
QUICSEAL 602 is supplied in 20 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

QUICSEAL 604 + QUICSEAL 602

Tilemix (Type II) + Thinset Powder

Offices:

Malaysia:
ARDEX QUICSEAL MALAYSIA SDN. BHD.
72-2, Jalan Puteri 2/2 Bandar Puteri 47100,
Puchong, Selangor Darul Ehsan
Malaysia
Phone: +603 8051 0311
Email: sales.malaysia@ardex-quicseal.com

Thailand:
ARDEX (THAILAND) CO., LTD
969 2nd Floor, Moo 13, Soi 45, Bangna-Trad Road
Bangkaew, Bangplee, Samutprakarn 10540 Thailand
Telephone: +66 2316 3069 Fax:+66 2316 3075
Email: sales@ardex.co.th
Website: www.ardex.co.th

Vietnam:
Mobile: +84 901 351 308
Email: sales@ardex-quicseal.com

Reference No.: QS 604+QS602/170225 T