QUICSEAL 607

Easi-Bond SBR

Excellent adhesion to concrete, screeds, renders, and tiles

Improves bond strength between new and existing concrete

Enhances water resistance and durability

Increases mortar cohesion and reduces cracking

Suitable for both internal and external applications

Resistant to weathering and mild chemicals

Suitable for potable water contact applications

Green product certified material

MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 • ISO 14001

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DESCRIPTION

QUICSEAL 607 is a specially formulated SBR latex admixture to improve the adhesion of screeds, renders, patching and repair mortars to concrete and cement-sand substrates as well as for bonding tiles.

It is also used as an admixture for cement and sand mortars to improve the quality of screeds and renders. Once cured, the screeds and renders are resistant to water, mild chemicals and weathering effects.

QUICSEAL 607 is suitable for used in contact with potable water when mix with cement-sand as a screed and render as well as a tile adhesive system.

QUICSEAL 607 is certified by the Singapore Green Building Council.

USES

- Bonding agent for screeds, repair and patching mortars
- Improve the adhesion between new and old concrete
- Improve the water resistance and quality of screeds and renders/plasters for internal and external applications
- Improve the cohesion and adhesion strength of screeds and renders/plasters
- Adhesive slurries for bonding screeds and renders/plasters onto concrete, precast panels and waterproofing membranes
- Key (splash or spatter) coat before rendering/ plastering
- Improve the strength of thin render/plaster coats
- Bonding tiles on cement-sand substrates
- Potable water tank system for a rendering, screeding and adhesive admix

SUBSTRATE PREPARATION

The substrates must be clean and sound, free of dust and loose particles. All loose particles, oil, grease, paint, wax or any substance that may inhibit adhesion must be removed.

Mould release agents or curing compound which are not suitable for subsequent finishes must also be removed from substrate surfaces by using wire brush, scabbler, or other means.

APPLICATIONS

Patching and Repairing

Dampen substrate but without ponding water and then apply a coat of QUICSEAL 607 or an adhesive slurry coat (see section on Adhesive Slurries) to improve the adhesion of patching mortars to the substrate. While the bonding agent is tacky, immediately apply QUICSEAL repair mortars or non-shrink grout.

Bonding agent / Adhesive Slurries

For screeding or rendering onto waterproofing membranes, smooth concrete or precast concrete surfaces, a bonding agent or adhesive slurry coat should be applied to improve the adhesion of the screeds and renders to the substrate. Damp the substrate and apply QUICSEAL 607 over concrete surfaces as a bonding coat. Cast the screed or new concrete while the bonding agent is still tacky.

For adhesive slurries, the recommended mixing ratio is as follow:

- QUICSEAL 607 - 1 part by weight
- Cement - 1.5 parts by weight

N.B. Do not wait for the bonding agent and adhesive slurry to dry. The screeds and renders must be applied when the adhesive slurry is still fresh.

Key Coats (Splash or Spatter Coats)

For rendering onto smooth concrete or precast surfaces, a key coat should be formed prior to screeding or rendering.

The recommended mixing ratio for key coat is:

- QUICSEAL 607 - 1 part by weight
- Cement - 1.5 parts by weight
- Sand - 1.5 parts by weight

Screeds and Renders/Plasters

QUICSEAL 607 is mixed into cement-sand mortars to improve the cohesion and adhesion strength as well as the water resistance and quality of screeds and renders/plasters.

The recommended mixing ratio for screeds and renders:

- QUICSEAL 607 - 1 part by weight
- Water - 3 parts by weight
- Cement - 8 parts by weight
- Sand - 24 parts by weight

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Render coats should not exceed more than 15mm thickness per application. Subsequent coats should be applied only when the previous coat has sufficiently hardened.
N.B. The amount of diluted QUICSEAL 607 added to cement-sand is gauge until a workable mortar is obtained.

Adhesive/Bonding Mortars
QUICSEAL 607 is mixed with cement and fine sand or with QUICSEAL 602 as a thin-set adhesive for bonding tiles.
The recommended mixing ratio with cement and fine sand:

- QUICSEAL 607 - 1 part by weight
- Cement - 2 parts by weight
- Fine sand - 2 parts by weight

The recommended mixing ratio with QUICSEAL 602:

- QUICSEAL 607 - 1 part by weight
- QUICSEAL 602 - 4 parts by weight

TECHNICAL DATA

Product Type	Liquid
Colour	Whitish
Density	1.02 +/- 0.03 kg/ltr
PH of Mix	11 - 12
Pot Life	Approx. 90 minutes
Application Temperature	From 5°C to 45°C
Open Time	Approx. 15 – 20 minutes
Adjustability Time	Approx. 30 minutes
Ready for Traffic	After 24 hours
Service Temperature	from – 30°C to +90°C
Compressive Strength of Mortar 7 days 28 days	 26.0MPa 37.4MPa

MIXING
Stir QUICSEAL 607 and pour into a clean container. Add the appropriate quantity of cement and sand and mix slowly until a homogeneous consistency. Use the appropriate tool to apply the mix onto the substrate.

COVERAGE
Approx 0.2 - 0.3 kg/m² of QUICSEAL 607 is required for adhesive slurries, bonding aid and key coats.
Approx 0.8 - 1 kg/m² of QUICSEAL 607 is required for screeds and renders for every 20mm thickness.
Approx 0.5 - 2 kg/m² of QUICSEAL 607 for thin set adhesive depending on tile size and substrate condition

The quantity of QUICSEAL 607 for each application should be adjusted to workability depending on the application requirement.

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

PACKAGING
QUICSEAL 607 is supplied in 5, 20 and 200 kg drums.

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 ARDEX-QUICSEAL

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