



ONE-COMPONENT



LIQUID-FORM

QUICSEAL 509

Easi-Bond

Description

QUICSEAL 509 is a specially formulated acrylic latex admixture to improve the adhesion of screeds, renders, patching and repair mortars to concrete and cement-sand substrates. 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.

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.

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, scabber, or other means.

Applications

Patching and Repairing

Dampen substrate but without ponding water and then apply a coat of QUICSEAL 509 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 509 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 follows:

QUICSEAL 509	1 part by weight
Water	1 part by weight
Cement	3 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 509	1 part by weight
Water	1 part by weight
Cement	3 parts by weight
Sand	3 parts by weight

Screeds and Renders/Plasters

QUICSEAL 509 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 509	1 part by weight
Water	3 parts by weight
Cement	8 parts by weight
Sand	24 parts by weight

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 509 added to cement-sand is gauge until a workable mortar is obtained.

Technical Data

Supply Form	Liquid
Colour	Whitish
Density of Liquid	1.01 g/cm ³
PH	8 - 10
Mixing Ratio	Refer to mixing instructions
Bond (Pull-Out) Strength (ASTM C190:1985)	>1.5 N/mm ²
Slant Shear Bond Strength (ASTM C1042:1991)	> 2.5 N/mm ²

Mixing

Stir QUICSEAL 509 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 kg/m² of QUICSEAL 509 is required for adhesive slurries, bonding aid and key coats.
Approx 1 kg/m² of QUICSEAL 509 is required for screeds and renders for every 20mm thickness.
The quantity of QUICSEAL 509 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.

Health & Safety

QUICSEAL 509 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 509 is slightly alkaline and skin contact should be avoided. Gloves and goggles should be worn.

Packaging

QUICSEAL 509 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 QUICSEAL

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