



TWO-COMPONENT



HIGH STRENGTH

# QUICSEAL 307

Epoxy Bonding Agent

## Description

QUICSEAL 307 is a solvent free, high modulus epoxy bonding agent specially formulated for bonding new concrete to existing concrete slabs and steel.

## Uses

- Bonding freshly mixed concrete/cementitious topping to existing concrete;
- Ideal for use in cold joint
- Ideal for bridges, pavements
- Ideal as a repair mortar by mixing with dry silica sand

## Advantages

- Excellent adhesion
- Adhere to dry and damp concrete surfaces
- Cures with undetectable shrinkage
- Long working time

## 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. For application over steel, ensure all contamination and rust scales are removed by grit-blasting or sand blasting to achieve SP2½.

## Applications

Mix Part A and Part B in the ratio of 3:1 by weight with a slow speed mechanical mixer for 1-2 minutes or until a homogenous mixture is obtained. Apply the bonding agent to the prepared surface by brush or roller. The new concrete or screed should be applied to the QUICSEAL bonding agent while it is still tacky.

**N.B.** Do not wait for the bonding agent to dry. The screeds, repair mortars and fresh concrete must be applied when the bonding agent is still tacky, otherwise it will act as a bond-breaker at the interface.

## Technical Data

Product Type	Epoxy
Colour	Greyish black
Pot Life	approx.45 mins
Gel Time @ 25°C	
ASTM C881: 2014	160 mins
Viscosity ASM D562: 2001	6500 – 7500 cps
Application Temperature	from 10 C to 45 C
Application Temperature	< 3.0 hours (Laboratory condition)
Compressive Strength (ASTM D695: 2015)	>100 MPa
Tensile pull off test (ASTM C190)	> 2.0 MPa
Slant Shear Bond Strength (BS EN 12615: 1999)	>21 MPa

## Coverage

Approx 0.3 ~ 0.6 kg/m<sup>2</sup> of QUICSEAL 307

The coverage may vary due to surface porosity, absorption of the substrate and wastage factors.

## Cleaning

All tools and hands must be cleaned immediately with thinner after use.

## Packaging

QUICSEAL 307 is supplied in 4kg set

## 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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