QUICSEAL 304

Epoxy Putty

Two component EPOXY PUTTY system for repair, bonding, anchoring, sealing and crack filling. It comes in a thixotopic paste

Adhere to damp surfaces

Cures with undetectable shrinkage

Speed of repair due to chemical reaction

Impermeable to water, oil, petrol and chemical spillage

Thixotropic paste

Finished product is concrete grey in colour

MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 • ISO 14001

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DESCRIPTION

QUICSEAL 304 is a two component EPOXY PUTTY premixed with selected graded fillers / EPOXY RESINS and additives which when mixed, produces a high strength, impermeable and chemically resistant putty. The base / hardener are in different colours to provide visual confirmation of adequate and proper mixing on site.

USES

QUICSEAL 304 is recommended for the following :

- Bonding precast concrete
- Anchoring of bolts and dowel bars
- Sealing of cracks
- Repair of concrete
- Overhead repair
- Bonding of dissimilar materials

SURFACE PREPARATION

As with all concrete repairs, it is essential to remove all grease, oil, dust and other loose materials.Concrete substrates must be adequately prepared either by use of a suitable mechanical method such as scabbling, grit blasting or needle gunning.

MIXING

Store materials away from sunlight or heat before using as heat will shorten port life of materials. Mix materials in the ratio of 2:1 by weight until a homogenous grey is obtained.

TECHNICAL DATA

Appearance	Part A (base) white homogenous paste Part B (hardener) black homogenous paste
Density	Part A : 1.69 ± 0.06 Part B : 1.99 ± 0.06
Mixing Ratio (By wt)	Part A to Part B (2:1)
Chemical Resistance	Resist water, alkali and dilute mineral acids

Minimum Application Temperature	Zero degree centigrade				
Compressive Strength N/mm sq (ASTM D695)	2 hrs 15	35°C 10	30°C -	-25°C -	0°C -
	4 hrs 25	20	10	-	-
	8 hrs 31	30	25	8	-
	1 day 56	55	50	20	-
	Full Cure 68	65	60	40	-
Flexural strength (ASTM C580 – 2002)	> 8.0 MPa @ 25°C				
Tensile Strength (ASTM D638: 2014 Adopted)	> 10MPa				
Slant Shear Bond Strength (ASTM C8821 / C882m: 2013a)	2 days > 23.0MPa 14 days > 32.0MPa				
Pot Life	40 mins at 25°C				
Toxicity	Non-toxic on curing				

PACKAGING

QUICSEAL 304 is available in 2kg set.

STORAGE

The shelf life of QUICSEAL 304 is 12 months when stored unopened in a cool and dry place at temperature between +10°C to +30°C.

HEALTH & SAFETY

Contents are flammable and should be kept away from fire or naked flame. It should be handled with care and should not be allowed to remain in contact with the skin. In the event of contamination, the effected parts should be washed with water. If there is contact with the eye, flush with water and consult a physician. Wear gloves where necessary. When used in confined spac-

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es, provide adequate ventilation. Equipment should be properly earthed.

IMPORTANT NOTES

The information set forth herein is furnished 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, contact ARDEX-QUICSEAL

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