QUICSEAL 179

Q-Stop PU Gel Flexi

Fast cure up within 30 seconds - stops water ingress fast

Hydrophilic - suitable to stop gushing water in cracks

Highly flexible - accommodate slight movement within cracks

Very low viscosity - allows penetration to very fine gap

Resistant to sea water and mild acids

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 179

Q-Stop PU Gel Flexi

DESCRIPTION

QUICSEAL 179 is a one component, hydrophilic pre-polymerised water reactive Polyurethane injection gel, which is suitable for water cut- off in wet cracks and joints.

QUICSEAL 179 reacts with the water present in the injection area to form a permanent, flexible gel to seal off and waterproof the wet dynamic cracks and joints.

The reaction time of QUICSEAL 179 is within 30-70 seconds upon contact with water. No addition of catalyst is required as it is internally pre-catalysed. Substrate temperature and the amount of water in the leak would effect and determine the gelling time

TYPICAL USES

Sealing wet cracks in

- Concrete
- Diaphragm walls
- Precast sections
- Underground and civil engineering
- Below grade structures
- Leakage in concrete structure with movement

MIXING APPLICATIONS

Application by single injection pump equipped with high pressure.

SURFACE PREPARATION

Remove any loose mineral on the surface to identify the exact location and the width of the crack to be injected. Cracks shall be seen clearly in order to layout the drilling patterns for the injection holes. The depth of the drilled holes shall be approximately half the thickness of the concrete. The diameter of the drilled holes shall be 13mm to 16mm, depending on the packer used. The angle of the holes shall be approximately 45 degrees or less to the surface and towards the crack. The holes shall be drilled staggered from one side of the crack to the other to assure a higher percentage of coverage. The distance between each drilled holes shall vary from approximately 15 to 60cm according to the width of the crack. The wider the crack, the further apart are the drill holes. Experience comes in handy when deciding how far apart to drill the injection holes.

APPLICATION

Begin the injection at the point of highest resistance to ensure good penetration. Start from the lowest point on a vertical crack and the narrowest area on a horizontal surface. The packers shall be removed within 24 hours and the holes shall be patched. If necessary, remove the excess cured grout that flowed out from the crack using a grinder.

CLEANING

Once the injection work is completed, flush the pumps and injection devices with water immediately.

TYPICAL TECHNICAL DATA

QUICSEAL 179 Q-Stop PU Gel Flexi	
Consistency	Low viscosity liquid
Color	Amber
Specific Gravity @ 23°C	1.13 – 1.16g/cm^3
Viscosity	250 – 350cps
Gel Time	30 – 70 seconds
Flexibility	Good
Expansion Rate	8 - 12%
Application temperature	+5 to +35°C

PACKAGING

QUICSEAL 179 is available in 20kg plastic pail

STORAGE

The shelf life of QUICSEAL 179 is 9 months when stored unopened, and kept in a cool and dry place. Storage temperature shall be between 10°C – 30°C. Failing to comply with the storage condition may shorten the shelf life of the product

HEALTH & SAFETY

Avoid eye contact and unnecessary skin contact during handling. Gloves, goggles and dust mask should be worn. Wash thoroughly after handling product. In case of eye contact, flush with plenty of clean water. Seek medical help immediately. Please refer to our Safety Datasheet prior to using the product.

QUICSEAL 179

Q-Stop PU Gel Flexi

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

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. QS179/260520 T