QUICSEAL 178

Q-Stop 2K PU Gel

Fast cure up within 1 - 2 minutes - stops water ingress

Non shrink - Negligible volume shrinkage after cure

Highly flexible - accommodate slight movement within cracks

Very low viscosity - allows penetration to very fine gap

Resistant to sea water and mild acids

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QUICSEAL 178

Q-Stop 2K PU Gel

DESCRIPTION

QUICSEAL 178 is a two component, hydrophilic Acrylic-Polyurethane injection gel, which stops water ingress.

QUICSEAL 178 is mixed and injected using a high pressure twin pump to produce a flexible gel. It is ideal to seal both dry and wet cracks in concrete structures.

The reaction time of QUICSEAL 178 is within 1 minute after mixing of component A and B.

TYPICAL USES

Sealing both dry and wet cracks in

- Masonry and concrete
- Diaphragm walls
- Precast sections,
- Underground and civil engineering

MIXING APPLICATIONS

Application by twin injection pump equipped with high pressure. The 2 components are mixed in the mixing head of the pump and injected at ratio of 1 part of Part A to 1 part of Part B by volume.

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 178 Q-Stop 2K PU Gel Part A	
Consistency	Low viscosity liquid
Color	amber
Specific Gravity @ 23°C	1.14 – 1.16g/cm^3
QUICSEAL 178 Q-Stop 2K PU Gel Part B	
Consistency	Liquid
Color	Whitish
Specific Gravity @ 23°C	1.01 – 1.03g/cm^3
Characteristics of mixture	Parts by volume 1 : 1
Colour	Light brown
Specific Gravity @ 23°C	1.10g/cm^3
Viscosity	< 150
Gel Time	50 – 90 seconds
Application temperature	+5 to +35°C

PACKAGING

QUICSEAL 178 is available in 20ltr per set; 10ltr for each component

STORAGE

The shelf life of QUICSEAL 178 is 12 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, as the product is alkaline. Gloves, goggles and dust mask should be worn. Wash thoroughly after handling product. In case of eye contact, flush with plenty of clean

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water. Seek medical help immediately. Please refer to our Safety Datasheet prior to using the product.

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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