QUICSEAL 208

Two Part Polysulphide Joint Sealant

Cold applied – no heating equipment required

Fuel, oil and hydraulic fluid resistant

Simple to mix and apply

Provides a permanent watertight seal

Low modulus of extension – prevents cohesive and adhesive failure with aging

MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 • ISO 14001

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Two Part Polysulphide Joint Sealant

DESCRIPTION
QUICSEAL 208 is a two-component, polysulphide joint sealant. When mixed and applied, it cures to form a tough, elastic, rubber-like seal and effectively seals all joints subject to structural movement as well as non-moving joints against infiltration of water and dirt.

Typical Uses
For sealing joints in:-

- Expansion and contraction joints in trafficked areas.
- Damp or frequently wet areas, such as swimming pool deck, planter boxes.
- Airport hardstandings subject to fuel spillage
- Concrete road, Warehouse, Wharf areas, Parking Aprons, multi-storey car park decks, basements, etc.
- Roof top concrete panel joints and roofing flashing penetrations and termination
- Drain culverts
- Metal and concrete structure in marine environment

PRODUCT DESCRIPTION
Composition: Polysulphide - Thikol based
Shelf Life: 12 months at 25°C
Color: Grey
Packing (s):
4 ltr / set (Pouring Grade)
2.5 ltr / set (Gun Grade)
Primer Packing: 1 ltr / can
Standard Compliance : BS 5212, Part I
ASTM C 920, Class 25, Type M

TECHNICAL DATA

Consistency (Fed. Spec. TT-S-227e)	Gun grade and pouring grade
Potlife @ 25°C	2 hrs
Cure Time At 25°C	24 hrs
Tack Free Time (ASTM C-794)	12 hrs
Hardness Shore "A" (ASTM D-2240)	20 ± 5
Elongation (ASTM D-412)	320%
Tensile Strength (ASTM D-412)	50 P.S.I.
Movement Accommodation Factor	25%
Temperature Service Range	-25°C to + 79°C
Application Temperature Range	+10°C to +35°C

CHEMICAL RESISTANCE
QUICSEAL 208 is chemically resistant to the following solutions:

Solution	Visual Observation
Jet A1 Fuel	No sign of swelling / blistering observed
Kerosene	No sign of swelling / blistering observed
Gasoline	No sign of swelling / blistering observed
Diesel	No sign of swelling / blistering observed
Grease	No sign of swelling / blistering observed
Engine Oil	No sign of swelling / blistering observed
Hydraulic Oil	No sign of swelling / blistering observed
Form Oil	No sign of swelling / blistering observed
Machine Oil	No sign of swelling / blistering observed
Mineral Oil	No sign of swelling / blistering observed
Crude Oil	No sign of swelling / blistering observed
Brake Fluids	No sign of swelling / blistering observed

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Lubricant Oil	No sign of swelling / blistering observed
Hydraulic Fluid	No sign of swelling / blistering observed
Calcium Chloride Solution (50%)	No sign of swelling / blistering observed
Calcium Hydroxide (20%)	No sign of swelling / blistering observed
Sodium Chloride Solutions (25%)	No sign of swelling / blistering observed
Sodium Hydroxide (50%)	No sign of swelling / blistering observed

Note: Above testing was done as per ASTM D547.
Based on the above observation, QUICSEAL 208 is suitable for use under intermittent contact or due to intermittent spillage of above chemicals.

APPLICATION INSTRUCTION

Surface Preparation

1. Joints should be accurately formed and prepared to provide the correct sealing slot dimensions. The degree of performance efficiency obtained with any sealant depends on the thoroughness of joint preparation.
2. Joint sealing slot surfaces must be dry, sound, clean and free from frost. Remove all dust and laitance by grit blasting, grinding or rigorous wire brushing. The prepared sealing slot should be blown out with dry, oil-free compressed air.
3. Ensure that any expansion joint filler is tightly packed in the joint and removed to the required depth to provide the seal dimensions specified. Make sure that no gaps or voids exist at the base of the joint.
4. Joint fillers that have been treated with bituminous products must either be separated by QUICSEAL 404 closed cell polyethylene backer rod or vinyl tape. However, joints caulked with QUICSEAL 406, closed cell polyethylene expansion joint filler will not require a separate bond breaker as it is compatible with QUICSEAL 208.

PRIMING

For optimal performance QUICSEAL 218 Primer is required prior to installation of QUICSEAL 208. QUICSEAL 218 Primer can be applied by a brush over the clean, dry surface prior to installation of backer rod. QUICSEAL 208 must be applied over the primer within 1 hour after application of the primer, otherwise, a recoat of the primer is required to be applied.

MIXING

5. Empty the contents of the Part B into Part A. Thoroughly mix the two components for at least 4 minutes using a hand held, slow speed drill (300 to 500rpm) fitted with a paddle Blade Stirrer. Care must be taken to ensure that the components are thoroughly mixed, paying attention to the sides and bottom of the tin.

N.B. : Partial mixing is not recommended.

APPLICATION

6. When mixed, the sealant can either be applied by loading into a QUICSEAL Barrel 'G' Gun or by pouring directly from the container (applicable in joints 15mm and wider). On larger joints, the sealant can be applied by pumping equip ment, trowel or putty knife. Press firmly into joint to ensure good contact.

Note :
The sealant to be subjected to service temperature only after full product curing of minimum 7 days.

COVERAGE

QUICSEAL 218 Primer 6.5m^2/L

$$\text{QUICSEAL 208} \quad \frac{D\,(mm) \times W\,(mm) \times L(m)}{1000}$$

= No. of Litres needed

SEALANT DEPTH

The sealant depth is dependent on the joint width and is calculated using the formula:

$$\text{Sealant depth} = \frac{\text{Joint width}}{3} + 6mm$$

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HEALTH & SAFETY

Avoid skin contact and apply a suitable barrier cream or wear disposable rubber or plastic gloves. Hands should be thoroughly washed before eating. In the event of contact with the eyes, wash liberally with clean cold water and seek medical advice.

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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