



Technical Data Sheet

Ecoseal PS200 Polysulphide Sealant

Description

Ecoseal PS200 is a two-component polysulphide based joint sealant for sealing movement & construction joints from 5 to 50 mm width in concrete, masonry, metal and many other substrates.

It chemically cures to form a tough but flexible elastomeric seal, accommodating continuous cyclic movement of up to 25% of the joint width as a total movement, whilst giving excellent, weathering, and chemical resistant properties.

Ecoseal PS200 is supplied in pre weighed packs in gun or pouring grades, ready for onsite mixing and use, giving consistent properties and performance.

Ecoseal PS200 Complies to BS 4254, ASTM C920 type M, grade P and NS, Class 25, T

Applications

Ecoseal PS200 typically used for sealing horizontal & vertical movements joints in building & civil engineering structures such as

- Bridges
- High Rise
- Reservoirs
- Concrete Pavements
- Basements

Mixing

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.

Add the contents of the Part B container to the contents of the Part A container and mechanically mix the components together for 3-5 minutes, until a homogenous consistency is achieved.

DO NOT UNDER ANY CIRCUMSTANCES PART MIX MATERIALS.

Technical properties

Parameter	VALUES
Appearance	Smooth Paste
Color Mixed	Grey
Pot Life @ 30°C	> 60 minutes
Initial Set Time @ 30°C	24 hours
Full Cure	7 days
Application Temp	15°C to 40°C
Service Temp	Up to 55°C
Shore A hardness, Units	
Gun Grade	>20
Pouring Grade	>15
Solid Content	100%
Density	1.60 approx
Chemical Resistance	Resistance to mineral oils, vegetable oils, dilute acids and alkalis, diesel, lube oils, Jet A1

Method of use

Surface preparation

All surfaces should be sound, clean, dry, and free from loose material, efflorescence, laitance, curing compounds, dirt, oil and grease. Ensure that concrete floors are fully cured. Any expansion joint filler must be checked to ensure it is tightly packed and no gaps or voids exist at the base of the sealing slot before positioning a bond breaker.

The use of bond breaker is not required in expansion joints containing filler boards or cellular polyethylene expansion joint fillers. For constructions or contraction joints a bond breaker tape or back-up strip should be used. Where hydrostatic pressure exists, only bond breaking tapes must be used, not foamed back-up strips. Where a particularly neat finish is required, mask the face edges of the joint before priming and remove immediately after tooling is completed.

Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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Priming

Ecohard EP Primer S can be used as a primer.

Application

GUN GRADE

Once mixed, carefully empty the contents of the mixed product into a solid barrel gun, by screwing both the end cap and plunger mechanism and manually filling the empty barrel. Once the barrel is full, screw the end cap and plunger back on and apply by squeezing the trigger to discharge the mixed material into the prepared joint, ensuring good contact with the joint faces.

POURING GRADE

Once mixed, carefully pour the mixed material into the prepared joint ensuring good contact with the joint faces. Allow the sealant to settle and top up immediately if required to the finished level. Immediately after application, finish the sealant in the joint by tooling it to a smooth, concave finish with a mixture of water and a high concentration of washing up liquid. Remove the masking tape immediately after tooling.

Curing

Allow **Ecoseal PS200** to cure fully for 4-7 days before exposing to full mechanical or chemical conditions.

Storage

Can be kept for a minimum of 12 months in the original unopened pails in dry places and at temperature of 5-25°C. Once a pail has been opened, use as soon as possible.

Cleaning

All tools shall be cleaned immediately after application using **Envirocon -Solvent**. Hardened materials must be cleaned mechanically.

Packaging

Ecoseal PS200 is available in 2.5L/Pail.

Cautions

Health and safety

Avoid skin and eye contact by wearing overalls, gloves, goggles, and air-mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. The eyes should be flushed with fresh water.

Avoid inhalation of vapors and paint mist by wearing suitable air-mask. In the event of ingestion and eye contact, seek medical attention immediately. Application must be carried out in a well-ventilated area.

Smoking in the area should not be permitted. Local safety regulations should be followed.

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