

Description

BSSP Crackseal is a two pack, solvent-free, low viscosity epoxy resin designed for filling cracks and voids in concrete, brickwork and masonry.

This allows the ready consolidation of structures and prevents water and salt ingress, thereby obviating freeze thaw damage and re-bar corrosion.

For small scale repairs on-site **BSSP Crackseal** may be part mixed in the ratio of 2:1 by volume (Base to Curing Agent component).

For large scale injection work, **BSSP Crackseal** may be used with automatic proportioning pumps.

Typical Uses

Injection of cracks in concrete, brickwork and masonry. Filling voids and joints where little or no movement is anticipated.

Suitable for both floors and walls.

Advantages

- Easy to use
- Convenient 2:1 volume mix
- Low viscosity – highly penetrating
- High strength
- Excellent bond strengths to concrete, brickwork and masonry
- Suitable for damp or dry surfaces
- Water and weather resistant
- Penetrates cracks down to 0.2mm.

Typical Properties

Viscosity: 150-300 cps @ 20°C

S.G.: 1.07

20°C Pot Life: 30-40 minutes

Compressive strength: 70 MPa

Adhesion to concrete: 4.4 MPa (concrete failure)

Shore D Hardness: 75

Temperature range during application: 3°C to 45°C

Packaging

BSSP Crackseal is supplied in 1L, 5L and 75L packs.

Procedure

Surface Preparation

Substrates to be treated shall be clean, sound and free from contaminants.

Cracks may be reamed out, and air or water flushed to remove contaminants.

Allow to fully dry.

Mixing

Pour the contents of the CURING AGENT container into the BASE container and thoroughly mix, preferably by mechanical means until a uniform consistency is achieved.

Application

Apply the **BSSP Crackseal** by gravity feed or by gunning/pumping into the cracks.

Injection flanges may be attached along the crack length at nominal 150mm intervals using **BSSP EPA** or **BSSP Polyester Mortar**.

For filling voids, simply fill by pouring.

Once the resin has cured it can be ground down to level, or topped up if the level sinks.

Equipment Cleaning

Clean equipment with **BSSP Toolclean** prior to curing of the product.

Curing

BSSP Crackseal will be touch dry after 5 hours at 20°C and hard dry after 10 hours at 20°C. Full mechanical properties will be achieved following 7 days cure at 20°C. At lower temperatures the curing time will be extended.

Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.

BSSP Crackseal has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Coverage

The consumption of **BSSP Crackseal** is very much dependent on the depth and extent of cracks within the substrate.

Health and Safety

Avoid contact of the material with skin and eyes.
Wear gloves and goggles.
Wash off splashes immediately with soap and water.
Any eye contamination must be rapidly irrigated with copious amounts of clean water and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information.

BSSP Crackseal shall be applied strictly in accordance with the manufacturer's instructions.

For specific advice regarding any aspect of this product, please consult our Technical Department.

Limitations

Do not apply to wet or uncured concrete surfaces.
Do not apply at temperatures of 3°C or less.

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on BS Specialist Products Limited current knowledge and experience. No warranty in respect of fitness for a purpose, or any other liability whatsoever can be inferred from the information contained within this data sheet. Users should determine the suitability of the materials for their particular application and should always refer to the most recent issue of the Product Data Sheet for the product concerned. All materials are supplied in accordance with our standard terms and conditions of sale (available upon request).