

ShieldInject S1 Non-DG

Structural Foam Backfill

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Product Description

ShieldInject S1 Non-DG is a solvent free and single component hydrophobic polyurethane with good flexibility. It is used to seal leaks in concrete cracks and joints. The product can be injected as supplied using static mixers, pumps, surface ports and Applied Technologies Surface Pastes as a complete concrete crack repair system.

When reacted with water, will foam and ShieldInject S1 Non-DG expand. The resulting foam will not shrink in volume because it is a hydrophobic formula. The foam that is produced is a closed cell foam that cuts off water penetration.

Advantages

- ✓ Cure Time 50 seconds initial, 20-40 minutes full cure
Activation Water activated
- ✓ Non-shrink after curing
- ✓ Flexible foam
- ✓ Closed cell foam stops water
- ✓ Expands up to 20~25x initial volume
- ✓ Superior adhesion to concrete

Specifications

- ✓ 50 second initial cure
- ✓ 20 to 40-minute full cure
- ✓ Viscosity: 700 cps
- ✓ Specific Gravity: 1.10
- ✓ Color: Brown
- ✓ Non-shrink after curing
- ✓ Closed cell foam stops water

ShieldSeal 743 used as a capillary block can reduce the need for injection or rework by as much as 70%. Please consult your ShieldCrete® representative on proper specification.

Packaging

Standard 20kg / plastic pail.

DISCLAIMER

The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials and equipment used, as well as varying working conditions and environments beyond our control we strictly recommend carrying out intensive trials to test the suitability of our products regarding the required processes and applications. This data sheet is provided free of charge, and we do not accept any liability regarding the above information or regarding any verbal recommendation, except for cases where we are liable of gross negligence or false intention.

