

ROADWARE FLEXIBLE CEMENT II™

PRODUCT DESCRIPTION

Roadware Flexible Cement II is a two component hydrophobic hybrid polyurethane system for maintaining control joints, repairing cracks, and filling spalls in concrete. The hydrophobic properties of this material allow it to chase water molecules out of the way, preventing them from reacting with the curing process. This allows Flexible Cement II to perform well in areas of moisture such as ground slabs, freezers, and containment areas. Flexible Cement II is designed to work in both asphalt and concrete to provide a tough weather resistant seal and at the same time prevent further deterioration of repair area surfaces. It is capable of rebonding slabs, cracks and joints. This material may be used with specified aggregate to create mix-in-place polymer concrete that withstands thermal and shock movement.

USES

- Repairing cracks, 1/8" or larger that may be subject to limited deflection, movement, dynamic loading, thermal expansion or contraction.
- Filling and protecting control joints.
- Repairing spalls and pop-outs in exterior concrete.
- Forming and repairing bridge joint headers and nosings.
- Filling potholes in concrete.
- Waterproofing.
- Construction adhesive and Tackless Carpet Strips
- Electrical potting.

FEATURES

- Excellent bonding strength in a wide temperature range.
- Low moisture sensitivity.
- Excellent chemical resistance.
- Incredible bond strength.
- May be cartridge applied or bulk mixed and poured into place.
- Completely cures in 15 - 20 minutes after application for heavy traffic at 70° F. Will also cure rapidly in subzero environments.
- Remains flexible for the life of the repair.
- Safe to use. Materials react quickly, 100% solids and no VOC's.
- Self-leveling, excess material may be sliced off after curing.
- Bonds well to concrete, brick, tile, steel, asphalt, and wood.

BENEFITS

- Long lasting repairs that accommodate harsh physical environments and thermal movement.
- No downtime, repairs are fully ready for traffic in about 20 minutes from application.
- Odor free, can be used in a wide range of indoor areas.
- Easy application. All material is self-mixed with specially designed packaging or bulk application equipment.
- May be bucket mixed with our special application equipment.

LIMITATIONS

Roadware Flexible Cement II is designed for repairing low movement concrete surfaces. It is not intended to be used as a high movement expansion joint.

TECHNICAL INFORMATION (approximate)

Color	Grey
Compressive Sheer	1595 psi
Tensile Strength, ASTM D412	1726 psi
Elongation ASTM D412	180%
Service Movement	±20%
Hardness	70-80 Shore A
Viscosity	1200 cps
V.O.C. (Mixed)	Zero
Cure Time (Tac Free)	10-15 minutes at 21°C.
Packaging	91300-600ml Cart; 91020 - 2-Gallon Kit; 91050 10-Gallon Kit.
Application Temperature Range	-25°C to 100°C

PREPERATION

Concrete must be clean, dry and free of dirt and contaminates. Use mechanical methods to remove loose concrete and profile hard trowled surfaces. Use surface applied heat to remove ice or frost if present.

MIXING

Bulk: Pre-stir Side A and Side B before combining. Mix at a 1:1 ratio in a bucket by hand for 60 seconds. Start with a one quart total batch. Mix until a uniform color appears. Pour immediately into the repair area.

APPLICATION

Cartridge: Prepare cartridge as directed in the label. Using the Roadware 5300C 300x300ml caulking gun and included static mixer tip, Apply material directly to the repair area. Fill the the repair area to just above grade. Trowel as necessary. Bulk: Apply mixed material directly to the repair area. Screed off excess and allow to cure.

CURING AND FINISHING

Cure time is 10-20 minutes at 21°C Repairs can shaved flush after one hour.

See additional data sheets and product instructions before use.



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