

Perma Seal Concrete Crack Repair 4600

Description

BEP Perma Seal Concrete Crack Repair 4600 is a UV stable, fiber reinforced versatile fluid applied concrete crack filler/adhesive that can be used for repairing and adhering concrete. CCR 4600 is designed for a wide range of indoor and outdoor concrete and mortar repair applications. BEP Perma Seal Concrete Crack Repair 4600 is an easy-to-apply filler/adhesive that provides a durable and tenacious bond to any concrete or cementitious surface. With a class A fire rating, CCR 4600 is ideally suited for use in refractory block and brick applications, and can be used for chimney and fire pit repairs

BEP Perma Seal Concrete Crack Repair 4600 is part of the BEP UV stable line of Universal Sealants & Adhesives.

Features/Benefits

- One part system/No mixing necessary
- Single step application/No primers required
- Superior shore hardness/Prevents product wear and tear
- Ideal viscosity/Low sag supports vertical and horizontal ties
- Exceptional adhesion/Bonds to multiple substrates
- Advanced proprietary technology/Produces tenacious bond to concrete/cementitious surfaces
- Environmentally friendly/Solvent free, isocyanate free, low VOC
- Wet surface application/Bonds and cures in damp conditions
- 100% Solids/No application shrinkage
- Durable formulation/Withstands pedestrian and vehicular traffic
- Class A fire rating/Suitable for refractory applications

Approved Applications

Universal concrete repair; fills cracks and voids in sidewalks, driveways, brick mortar and foundations; rat patching applications; refractory block repair; adhesive for concrete bricks, blocks and pavers; seals cracks in existing concrete slabs prior to applying an epoxy coating.

Application Methods

Apply using a sausage gun and plastic trowel. Surface temperatures must be between 33° F - 100° F. Surface areas to be coated must be clean, free of grease, oil, mill scale, dust or any other contaminants. Hard finished concrete should be etched to optimize adhesion. If additional coats of CCR 4600 are required, this product must be cleaned with approved solvent and brought back to tacky.



Coverage Rate

Coverage rates will vary greatly depending on substrate textures, conditions, size of the joint and /or void.

Packaging Options

20 oz. Sausage (4600-20)

Typical Properties

Cured Properties at 21 days:

Hardness, Shore A	60-70
Tensile Strength	250-350 PSI
Elongation	215-250%
Tear Strength	40-50 PSI
Peel Strength	59 Pli
UV Exposure	Stable

Uncured Properties:

Tack Free Time	<45 minutes
Cure Rate	1/8" – 16 hrs.

Note: Cure rates can vary based upon relative humidity of the application environment

VOC Content	<30g/ liter
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Color

Grey



Suitable Substrates

Concrete
Pre-cast Concrete
CMU

Note: Due to the wide variety of substrates, preparation methods, application methods and environments, always test a small area of substrate to validate desired result.

Approved Solvents

Mineral Spirits
Denatured Alcohol
Methyl Acetate (VOC Exempt)
VM&P

Standards Testing Compliance

ASTM D-412 - elongation
ASTM D-2240 - hardness
ASTM D-2370 - tensile strength
ASTM D-1004 - tear resistance
ASTM C-661 - shore hardness

Dilution and Mixing

Apply as packaged. Do not dilute or alter.

Staining

Stains from substrate may transfer but will not alter performance of product. Product will change color when exposed to UV; however, the color change will not affect the performance (Product color may lighten with long term UV exposure.)

Shelf Life/ Storage

12 months from manufacture date
Store below 80°F

Ordering / Technical Information

Contact Dominus Innovations: 813-279-1902

Limited Product Warranty

Since many factors affect the results obtained from this product, the manufacturer warrants only that this product is free from defects. Manufacturer will replace at no charge any product proven to be defective within 12 months of purchase.

The data provided pertains to this BEP Perma Seal product and is based on the information available at this time. The addition of reducers or any other additive to this product may alter its composition. Since we do not control the use of this information we make no warranties expressed or implicit and assume no liability in connection with any use of this information.

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