



Patch Filler

Technical Data Sheet

Product Description

Patch Filler is designed to be used to fill holes and voids in concrete substrate as well as non-moving cracks prior to application of coating system. **Patch Filler** may also be used to seal vertical surfaces prior to application of a coating.

Patch Filler is a two component 100% solids epoxy coatings cured with an amine. It is rapid curing and supplied as a thick paste in order to hang on vertical surfaces and hold in deep cracks.

Features and Benefits

Quick Curing: Less downtime before final coating application

Excellent Adhesion: May be applied over damp concrete.

100% Solids: Low odor makes it ideal for use in Pharmaceutical and Food & Beverage facilities.

Paste Formula: Allows use on vertical surfaces. Will not run – holes remain filled.

Non-porous: Prevents chemical migration to the substrate. No loss of bond or environmental contamination.

Applications

Pharmaceutical Plants
Food and Beverage Plants
Commercial Kitchens
Dairies
Wastewater Treatment
Loading Docks
Mechanical Rooms
Production Lines
Garages

Application Overview

Environment

Apply when air, surface, and material temperatures are between 45°F and 100°F. The surface temperature must be at least 5° above the dew point to prevent moisture condensation.

Substrate

The concrete must be structurally sound and free of oil, grease, and other contaminants. When applying directly to concrete, the concrete must first be prepared by shot blasting, scarifying or acid etching to create a surface profile equivalent to 40-60 grit sandpaper.

Mixing

Part “A” should be mechanically pre-mixed for 60 seconds before adding Part “B”. After adding Parts “A” and “B” together, mix for 60 seconds. Do not hand mix.

Application

Product has a short pot life. Immediately pour activated product onto a flat work surface to extend working time. Use a trowel or drywall blade to apply product.

Recoating

Patch Filler can be recoated in as little as one hour. Check for an amine blush on the surface if the product dries completely before recoat. It can be removed with a water wash or isopropyl alcohol. After 24 hours’ cure, lightly sand before application of a topcoat.

Recommended Uses

- Fill voids in concrete
- Seal vertical concrete surfaces:
- Fill non-moving cracks

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Product Limitations

Rising Temperatures

Concrete will outgas during periods of rising temperatures. To prevent bubbling, always apply when the application and cure temperatures will be constant or decreasing.

Cracks

Moving cracks in the substrate are likely to transfer to the coating unless treated properly.

Moisture

All concrete surfaces should be tested for moisture before applying a seamless coating. Water vapor transmission upwards through on-grade (or below grade) concrete slabs may result in system failure. If moisture emissions exceed 3 lbs./1000 sq. ft./24 hours per ASTM F1869, or concrete relative humidity exceeds 75% per ASTM F2170, use of TerraPrime MM may be required prior to application of the coating system. Contact the manufacturer before application.

Safety

This product is intended to be installed by experienced professionals. Read the SDS and product label for complete safety information before using. Avoid contact with all materials to prevent irritation. Use only with adequate ventilation.

Safety glasses, gloves, and protective clothing should be worn at all times while handling this product. Avoid exposure to eyes and skin as isocyanate resins and amine hardeners can cause mild to severe skin irritation.

Maintenance

Do not wash the floor within 5 days of installation. Exposure to water before the floor is completely cured may dull the finish. Damp mop as needed with a clean mop head and clean, warm water with a mild detergent or degreaser. Rinse thoroughly to avoid leaving residue. When using a new cleaner for the first time, test clean an inconspicuous area to ensure compatibility with the floor.

Storage

Store material in a cool, dry location away from flames. When stored properly, the shelf life will be a minimum of 1 year.

Warranty

American Industrial warrants its products to be free of defects in material and workmanship. This warranty specifically excludes the following: problems due to irregularities in the substrate, failures caused by moisture migration through the substrate, changes in color and gloss. Claims must be made within 12 months of installation of material.

Physical Properties

Components	2	
Mix Ratio (A:B)	2:1	
Solids	100%	
Packaging	3 gallon kit	2 gal A/1 gal B
Coverage	depends on surface	
Application Temperature	45°F-100°F	
Viscosity (mixed)	thick paste	
Pot Life (8 oz. @ 72°F)	10 minutes	
Working Time (72°F)	15 minutes	
Cure Time	1-4 hours (recoat) 4 hours (foot traffic)	
Flash Point	Part A: >200°F Part B: >200°F	
Shelf Life	12 months	
USDA: Food and Beverage	Meets requirements.	

Performance Properties

Adhesion (ASTM D-4541)	>450 psi (concrete fails)
Hardness (ASTM D-2240)	85 Shore D
Maximum Service Temperature	150°F

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