

BoMetals Retro Fit Epoxy

DESCRIPTION

BoMetals Retro Fit Epoxy is a two component, moisture insensitive, high modulus, structural epoxy bonding gel used to seal and bond **BoMetals Retro Fit Waterstop** to existing concrete surfaces.

BoMetals Retro Fit Epoxy is 100% solids, solvent free, low odor, high strength, and non-sag.

Actual/Maximum VOC content = 0 grams per liter

APPLICATION

Mixing Instructions: Air, material and surface temperatures must be a minimum of 60°F prior to mixing or installation. To assist with mixing and dispensing, precondition material to 75°F. For bulk applications, mix equal volumes of Part A and Part B for three minutes with a low speed drill motor using a Jiffy mixer or paddle. Mix only as much material as can be used within the pot life.

Preparation:

Surfaces to be bonded must be clean and structurally sound and dry or damp (not wet). Remove all oil, grease, dirt, laitance, curing compounds, and any other foreign matter by sandblasting, mechanical abrasion or hydro blasting.

Bonding BoMetals Retro Fit Waterstop:

Apply a 1/8" layer of Retro Fit Epoxy to the properly prepared concrete surface. Application should extend at least 1/8" wider on each side of the **Retro Fit Waterstop**.

Immediately apply the **Retro Fit Waterstop** to the fresh epoxy and apply pressure to remove any entrapped air. Before the Retro Fit Epoxy cures, secure the waterstop with stainless steel batten bars and anchors.

If it is a two batten bar system, it is important to apply one side of the batten bar at a time. Apply pressure to remove any entrapped air or voids before applying the other batten bar.

LIMITATIONS

Always test a small amount of RETRO FIT EPOXY to verify that the product has been thoroughly mixed and will harden properly before proceeding. Do not thin with any solvent. Surface and air temperatures must be a minimum of 50°F and rising for application. Avoid hazards by following all precautions found in the Safety Data Sheets (SDS), product labels, and technical literature.

CLEANING

Tools and Equipment: Uncured material can be removed with a citrus cleaner or other approved solvent. Dispose of in accordance with local, state, and federal disposal regulations. Mechanical removal is necessary for cured material.

TYPICAL PROPERTIES

Mix Ratio	1 to 1
Mixed Color:	Gray
Viscosity:	Gel/Paste
Gel time (ASTM 881):	45 minutes

TYPICAL CURED PROPERTIES

Initial Cure	24 hours
Final Cure	7 days
Compressive Strength (ASTM D-695)	11,000 psi
Compressive Modulus (ASTM D-695)	320,000 psi
Bond Strength at 2 days (ASTM 882)	2,410 psi
Bond Strength at 14 days (ASTM 882)	3,150 psi
Elongation (ASTM D-638)	1.3%
Tensile Strength (ASTM D-638)	7,150
Water Absorption (ASTM D-570)	< 0.5%
Heat Deflection (ASTM D-648)	132°F



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PACKAGING

1 gallon units (1/2 gal of Part A, 1/2 gal of Part B)

SHELF LIFE

Store RETRO FIT EPOXY in its original containers and keep tightly closed. Do not allow the accumulation of water, dirt or other contaminants. The shelf life of properly stored RETRO FIT EPOXY is two years from date of manufacture.

PRECAUTIONS

Prolonged or repeated skin or eye contact may cause irritation. If contact occurs, wash immediately and seek medical help. Use safety glasses and wear protective rubber gloves. In case of ingestion, call a physician. Contact with skin may cause chemical burns. Wash immediately with soap and water. Avoid eye contact. If eye contact occurs, flush immediately with water. Product is a strong sensitizer. Avoid breathing vapors. Use safety glasses and wear protective rubber gloves.

INDUSTRIAL USE ONLY

Additional precautions, safety and first aid information are contained in the SDS.

WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

The manufacturer offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of The manufacturer. No other representative of or for The manufacturer is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

The manufacturer warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, The manufacturer will replace the defective product with new product without charge to the purchaser. The manufacturer makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RE-



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