

PRODUCT DATA SHEET
TRFE-1G TPER Retro Fit Epoxy



PRODUCT TECHNICAL BULLETIN

CODE TRFE-1G
 NAME TPER Retro Fit Epoxy

PRODUCT General Information:

TPER Retro Fit Epoxy is a VOC Free two part epoxy system. This high quality thermoset is designed as a chemical resistant adhesive for BoMetals TPER Retro Fit Waterstop System. It is a thick non-sag consistency allows trowel application on vertical surfaces and overhead.

Handling Properties @ 77°F For 100g Mass

	Part A - Resin	Part B - Hardener	A/B Blend		
Mix Ratio, pbv	2.0	1			
Mix Ratio, pbw	2.6	1			
Appearance	Paste	Soft Paste	Paste		
Color	White	Black	Gray		
Density	11.7	9.1	10.9	Lb/gal	ASTM D 1475
Working Time			60	min	ERF-13-70
Gel Time @ 77°F			75	min	ASTM D 2471
Cure Schedule	7d @ 72-77°F				

Physical Properties

Hardness, Shore Scale		85	D	ASTM D 2240
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Surface Preparation	Maximum adhesion is obtained when concrete & TPER Retro Fit are free of oil, grease, rust, and other containments
Mixing	Before blending Resin and Hardener stirring may be necessary. Place PART A (Resin) and PART B (Hardener) in to a clean cylindrical container according to specified MIX RATIO. Mix the blend thoroughly to ensure complete mixing. Drilling mixing with Jiffy blade is recommended. In case of hand mixing, periodically scrape the walls and the bottom of the container to avoid unmixed material which will result in soft spots after curing. For room temperature, once the Resin and Hardener are mixed together an exothermic reaction takes place developing some heat which accelerates the process of cure. The viscosity of such a self-heating system first decreases then, at the end of the GEL TIME, increases until the materials gels. At the moment the temperature of the product keeps rising, and in the case of larges batches can result in overheating with unpleasant fumes and smoke.
Cure Information	After 7 days at 72-77F this product reaches its final properties
Clean Up	The uncured epoxy can be removed from tools and equipment with isopropyl alcohol, xylene, or mineral spirits.
Safety	Avoid breathing vapors. Forced local exhaust is recommended to effectively minimize the exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (heated polymers, sanding, etc) may cause high vapor concentrations. Do not weld on, burn, or torch any epoxy material. Hazardous vapor is released when an epoxy is burned. Avoid contact with skin and eyes. Wash skin with soap and water if contact occurs. If eye contact occurs, flush with water for 15 mins and get medical attention. Read and understand all cautions on can labels and Safety Data Sheets before using this material.
Shelf Life and Storage	This product has 24 month shelf life if stored in a dry warm place at 60-80 °F in original sealed containers. Lower temperature (below 60 °F) may cause a partial crystallization of the resin. If crystallization has occurred, heat the resin in its original container placing it into another container with hot water. Change water to keep it hot for a few hours. Cool down to 77°F. If viscosity of the resin is still higher than specified, repeat the procedure."
Warranty and Disclaimer	The manufacturer & seller offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of duly authorized corporate officer of the manufacture & seller. No other representative of or for The manufacturer & seller authorized to grant any warranty or to waive limitation of liability set forth below. WARRANTY LIMITATION The manufacturer & seller warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated in this document from date manufactured. 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 RESPECT OF WHICH DAMAGES ARE CLAIMED. INHERENT RISK Purchaser assumers all risk associated with the use or application of the product..