



PROTECTING YOUR WORLD

STACfill

STACfill LT

Lightweight Profiling Compound

Description

A unique blend of saturated petroleum hydrocarbons (petrolatum), closed cell cellular polymers and other high viscosity additives. Conforms to surface irregularities, fills voids, and displaces air pockets, ensuring complete protection of the substrate.

Uses

A lightweight profiling mastic used to contour irregular surfaces in preparation for STACwrap application. The lightweight profiling compound self-amalgamates at each overlap providing a continuous protective layer. Best suited for low temperature installation environments. Not to be used in underwater or submerged applications.

Characteristics

STACfill LT is highly moldable, non-hardening and self-supporting compound.

STACfill LT is a superb sealant; adheres to PVC, polyethylene, metal and concrete.

STACfill LT is highly resistant to water, mineral acids, alkalis and salts. Non-toxic, non-flammable and no V.O.C.'s.

Maintains flexibility and is easily moldable at lower temperature environments.

Application

Apply STACfill LT by filling and packing to achieve an uniform contour to which tape can be applied without bridging or voids.

Use a putty knife or gloved hand to apply STACfill LT in voids, cavities, etc.

Contour the extremely uneven surfaces and remove air pockets.

Apply STACwrap and/or STACguard Overwrap for Mechanical protection.

Category	Chemical Concentration	% by Volume	After 3 Months	After 1 Year
Acids - Inorganic	Nitric Acid (HNO ₃)	10%	/	∅
		50%	X	X
	Sulfuric Acid (H ₂ SO ₄)	10%	V	X
		25%	∅	X
	Chloric Acid (HClO ₃)	10%	/	(x)
		CONC	V	X
Phosphoric Acid (H ₃ PO ₃)	50%	V	X	
	90%	(x)	(x)	
Acids - Organic	Acetic Acid (CH ₃ COOH)	10%	(x)	V
	Formic Acid (HCOOH)	10%	/	/
	Lactic Acid (C ₃ H ₆ O ₃)	10%	/	/
	Boric Acid (H ₃ BO ₃)	10%	/	/
	Tartaric Acid (C ₄ H ₆ O ₆)	10%	/	/
	Oxalic Acid (COOH)	10%	/	/
	Citric Acid (C ₆ H ₈ O ₇)	10%	/	/
Alkali	Ammonium (NH ₄)	28%	/	/
	Caustic Soda (Sodium Hydroxide) (NaOH)	5%	/	/
		20%	/	/
	Caustic Potash (Potassium Hydroxide) (KOH)	5%	/	/
		20%	/	/
	Carbonic Soda	20%	/	/
Salt etc.	Sodium Chloride (NaCl)	20%	/	/
	Ammonium Sulfate (NH ₄) ₂ SO ₄	20%	/	/
	Hydrogen Peroxide (H ₂ O ₂)	20%	/	/

/ - No Damage (x) - Slight Damage ∅ - Damage V - Great Damage X - Complete Destruction

Measuring method: Test coupons of mild steel plate (1mm x 50mm x 120 mm) are double wrapped with 50 mm (2") STACwrap, then immersed in each chemical, observing and recording changes over time.

Data Sheet

Particulars	Properties
Density	0.55 g/cm ³
Application temperature	-35 to +35 °C
Operation temperature	-35 to +40 °C
Packaging	1.25 kg/block (avg), 8 blocks/Case