



PROTECTING YOUR WORLD

STACfill

STACfill

Profiling Compound

Description

A unique blend of saturated petroleum hydrocarbons, fillers and reinforcing fibers. Conforms easily to surface irregularities, fills voids, displaces pockets of trapped air, ensuring complete protection of the substrate.

Uses

A putty-like compound used for profiling around valves, flanges, nuts, bolts and other irregular shapes to improve contours and fill voids prior to wrapping with STACwrap. The soft petrolatum compound self-amalgamates at each overlap providing a continuous protective layer.

Characteristics

STACfill is non-hardening and self-supporting compound which accommodates vibration and mechanical stress.

STACfill is highly resistant to mineral acids, alkalis and salts.

STACfill is non-toxic and will not support combustion, no V.O.C.'s.

Application

Apply STACfill 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 in voids, cavities, etc.

Contour 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 layer wrapped with 50 mm (2") STACwrap, then immersed in each chemical, observing and recording changes over time.

Data Sheet

| Particulars | Properties |
|-------------------------|---------------------------|
| Density | 1.38 g/cm ³ |
| Application temperature | -5 to +55 °C |
| Operation temperature | -35 to +70 °C |
| Packaging | 3 kg/block, 8 blocks/Case |