

Product Description

Poly-Fil® HP is a two-component system consisting of a prepolymer (Side-A/ISO) and a polyol blend (Side-B/CAT) Poly-Fil HP is made for heavy-slow moving equipment where no deflection is wanted or needed. Stratocranes and high reach equipment are ideal applications for Poly-Fil HP where stability and safety are paramount.

Typical Uses

- Cranes
- Man Lift (Essential for Safety)
- Military
- Mining Applications
- Sea Ports
- Steel Mills

Packaging

Tote Kit: One tote of Side-A (2335 lbs 1060 kgs net), one tote of Side-B (2254 lbs, 1020 kgs net)

Color

Brownish Yellow Liquid

Mixing

When Poly-Fil HP Side-A and Poly-Fil Side-B are mixed, there is an exothermic reaction, therefore curing begins in the center of the mass. In the event that the temperature cannot be maintained at a constant 72°F (22°C) during the curing cycle, the curing time must be extended approximately eight (8) hours for every ten-degree temperature drop.

Preparation & Application

Before beginning each processing session, inspect equipment and verify that all the specified parts of the processing equipment are complete and in good working.

Read Safety Data Sheets (SDS) on Poly-Fil products before proceeding to flatproofing operation.

Please refer to the Poly-Fil Guide Specification Sheet for all information regarding processing, filling and installation procedures.

All standard procedures regularly practiced in the tire shop should be applied to the Poly-Fil operation, including tire mounting, equipment and material handling and clean up. A qualified tire serviceman will mount the tires.

Storage

Poly-Fil HP has a shelf life of twelve (12) months from date of manufacture, in factory-sealed containers.

Side-A and Side-B drums are recommended to be stored from 60-105°F (15-40°C). Keep in an indoor dry place, out of sunlight, tightly.

Avoid freezing temperatures.

Store drums on wooden pallets to avoid direct contact with the ground.

Technical Data (Based on Draw Down Film)

Mix Ratio by Volume 1A:1B

Gel Time @ 80°F (26.6°C) (to achieve 10,000 cps) 60 ± 20 minutes

Cure Time (hours @ 90°F [32°C]) 24-48 hours

Viscosity, cps @ 77° F (25° C)
Side-A 700 ± 200
Side-B 900 ± 200

Specific Gravity @ 77°F (25°C)
Side-A 1.057 ± 0.02
Side-B 1.02 ± 0.02

Hardness, Shore A 50 ± 2

Tensile Strength, ASTM D412* 425 ± 25 psi
(2.93 ± 0.2 MPa)

Elongation %, ASTM D412* 275 ± 25

Tear Resilience (%), Die C 100 ± 20 pli
(17.5 ± 3.5k N/m)

**Total % Solids by Weight
ASTM D2369** 100%

**Total % Solids by Volume
ASTM D2397** 100%

VOC 0 g/l

Safety

Use only in well ventilated areas. Avoid contact with skin. Wear chemical resistant gloves and proper safety equipment. If swallowed, call physician immediately. For eye contact, flush with water for 15 minutes and get medical attention. Refer to Safety Data Sheet (SDS) for details.

Limitations

Do not open until ready to use.

Both Side-A and Side-B containers must be fitted with a desiccant device during use.

Warning

This product contains Isocyanates and Curative Material.



Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and to be applied by professionals who have prior experience and training with the use and application of our materials, and who are fully aware of all Federal, State and local rules, regulations, and code requirements for storage, transportation, handling, installation, and application. Published technical data and instructions are subject to change without notice. Contact your local representative or visit our website for current technical data, SDS, instructions, and project specific recommendations. We warrant our products to be free of manufacturing defects and that they will meet our current published physical properties within the shelf life of products.

Our sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. We will not be liable for damages of any sort, including remote or consequential or punitive damages resulting from any claimed breach of any warranty whether expressed or implied. We will also not be responsible for use of this product in a manner to infringe on any patent held by others. No warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, adhesion, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. We reserve the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator. Your sole and exclusive remedy against us shall be limited to the paid cost of the materials sufficient to replace any affected areas where product failure has occurred. The cost of replacement materials shall, in no event, exceed the value of the original purchase price of the products, subject to equitable reductions for time of use.

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