

PRODUCT DESCRIPTION

Poly-Fil Aqua is a two-component system consisting of a prepolymer Side-A (ISO) and a water-based Side-B (CAT).

Poly-Fil Aqua is more environmentally friendly with less carbon footprint in the production process and is specifically formulated as a flatproof-polyurethane fill for exclusive use on slow moving equipment (up to 5 MPH) such as Aerial Work Platforms.

TYPICAL USES

- Aerial Work Platforms
- Man Lifts
- Slow Moving Equipment

PACKAGING

Tote kit: One tote of Side-A (2242 lbs, 1017 kgs net), one tote of Side-B (2180 lbs, 989 kgs net)

COLOR

Side-A: Brownish

Side-B: Off-White to Yellowish

MIXING AND CURING

When Poly-Fil Aqua Side-A and Side-B are mixed and applied thru a specialized Poly-Fil® pump, there is an exothermic reaction, therefore curing begins in the center of the mass.

At ambient temperature of 72°F (22°C), the normal curing time is 16-24 hours. 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 Aqua has a shelf life of twelve (12) months from date of manufacture, in factory-sealed containers.

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

Avoid freezing temperatures.

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

Mix Ratio by Volume	1A:1B
Gel Time @ 77°F (25°C) (to achieve 10,000 cps)	12 ± 3 minutes
Cure Time (hours @ 90°F [32°C])	24-48 hours
Viscosity, cps @77° F (25° C)	
Side-A	400 ± 100
Side-B	9000 ± 200
Specific Gravity @ 77° F (25° C)	
Side-A	1.046 ± 0.02
Side-B	1.03 ± 0.02
Hardness, Shore A	30 ± 2
Tensile Strength, ASTM D-412*	800 ± 100 psi (5.51 ± 0.7 MPa)
Elongation %, ASTM D-412*	450 ± 50
Tear Resilience (%), Die C	100 ± 20 pli (17.5 ± 3.5 kN/m)

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 Side-A of this product contains Isocyanates. Side-B of this product is water based.



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