



KAPCI
COATINGS

Technical Data Sheet

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for professional use only

RH 1500 - Back-up Polyester Resin

Product description

Kapci RH 1500 is a medium viscosity orthophthalic unsaturated, non-accelerated Thixotropic polyester resin. It is designed for easy mixing with fiberglass and high filler amount loading. The product is used in acrylic bathtub, refrigerators, buses, and tubes. It can be applied by hand layup and spray. The product is also offered as a pre-accelerated resin.

Typical liquid properties

Viscosity at 25°C	400-550 CPs (Spindle- 3 @ 60 rpm)
Specific Gravity	1.08-1.10 g/cm ³
Acid Value	Max 30.0 mg KOH/g
Water Content	<0.1%
Solid content	58-62%
Flash Point	32°C
Gel Time at 25°C	10-20 minutes mixed with 1.5% accelerator (Cobalt Octoate 2%) and 1.5 % catalyst (MEKP 50%)
Time to Peak	15-30 minutes
Peak Exothermic	130±20°C

Typical Properties of Fully Cured Resin (Unfilled Casting): -

Barcol Hardness	36	ASTM D2583
Elongation	3.25%	ASTM D638
Tensile strength	2054.88 (N/mm ²)	ASTM D638
Tensile modulus	27.49 (N/mm ²)	ASTM D638
Heat Deflection temperature	55.1 C	ASTM D648
Flexure strength	441.85 (N/mm ²)	ASTM D790
Flexure modulus	84.63 (N/mm ²)	ASTM D790

General note:

- Stir well before use
- Do not mix accelerator and catalyst directly. They are inflammable in direct contact

Storage:

IMPORTANT NOTE: These TDS are for information purposes only without any obligation as we do not have control over the quality and conditions of the surface or application.



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Store in well ventilated area. Temperature should not exceed 25°C. Do not expose to direct sun light.

Shelf life:

6 months stored in original container

Health and Safety

1. For full Health and Safety information please refer to the Material Safety Data Sheet.
2. Observe the precautionary notices displayed on the container.
3. Good ventilation must be provided in the working environment.

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