PRODUCT BULLETIN

January 2019

POLYLITE® 32773-00

Polyester Surfacing Resin

DESCRIPTION

POLYLITE® 32773-00 is a resilient orthophthalic acid-based, wax-containing polyester resin with low reactivity and medium viscosity. It is pre-promoted to gel and cure at room temperature with the addition of Norox® MEKP-9 methyl ethyl ketone peroxide (MEKP).

POLYLITE® 32773-00 is non-air-inhibited, so it cures in air to a hard, tack-free, moisture-resistant surface. This resilient resin resists impact cracks and crazing. Typical applications include boat covering and other surfacing applications. POLYLITE® 32773-00 is formulated to provide a protective coating on concrete, cinder block, and masonry surfaces as well.

BENEFITS & FEATURES

- Batch-to-batch consistency and uniformity from production utilizing Statistical Process Control (S.P.C) & Statistical Quality Control (S.Q.C) techniques
- Resilient and resists impact cracks and crazing
- Cures in air to a hard, tack-free, moisture-resistant surface due to wax content
- Useful as a decorative coating due to light color
- Can be used in non-attainment areas due to low styrene content

PROPERTIES – LIQUID

Property(1)	Unit	32773-00
Appearance	-	Clear Pink
NVM	%	64.5
Viscosity(2)	cps	575
Gel Time(3)	minutes	11.5
Total Time to Peak	minutes	22.5
Peak Exotherm	°C/°F	157/315
Specific Gravity	-	1.13
Flash Point (Seta Closed Cup)	°C/°F	32/89

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer LVF Spindle #3 at 60 RPM
3) 1.25 cc Norox® MEKP-9 per 100 g resin

PROPERTIES – PHYSICAL

Property[1]	Unit	Neat Resin Casting[2]	Test Method
Tensile Strength	psi	9,000	ASTM D 638
Tensile Modulus	psi	490,000	ASTM D 638
Tensile Elongation	%	1.9	ASTM D 638
Flexure Strength	psi	16,000	ASTM D 790
Flexure Modulus	psi	520,000	ASTM D 790
Compression Strength	psi	12,000	ASTM D 695
Heat Deflection Temperature	°C/°F	52/125	ASTM D 648
Hardness, Barcol Model 934-1	HB	33	ASTM D 2583

1) Physical properties were determined using internal Polynt test methods that are similar to those listed above.
2) 1.25 cc Norox® MEKP-9 per 100 g resin cured overnight at room temperature. Post-cured 2 hrs. @ 250 °F.

APPLICATION

Each user must determine the suitability of this product to his/her particular mode of operation and intended end-use application. A Polynt representative will be available to assist in the proper selection of all Polynt-Reichhold products available for commercial use.

SHELF LIFE & STORAGE

The shelf life of POLYLITE® 32773-00 is 120 days from the date of manufacture from Polynt. To maximize usage life and maintain optimum properties, resins and gel coats should be stored in the original closed container at temperatures below 23°C/73°F and away from ignition sources and sunlight. Keep containers sealed to prevent moisture pick-up and monomer loss.

RELATED PRODUCTS

POLYLITE® 33773 Thixotropic version of POLYLITE® 32773

SAFETY & WARRANTY

To receive a copy of our safety and warranty information, please email safetyandwarranty@polynt.com.