PRODUCT BULLETIN

June 2020

POLYCOR® 944W005

White Isophthalic Gel Coat

DESCRIPTION

POLYCOR® 944W005 white gel coat is a high-quality coating developed for use in the fiberglass industry. This gel coat yields a quality finish, with good chemical/water resistance, gloss retention, weatherability, and resiliency. An untinted straight white gel coat, POLYCOR® 944W005 is in the color match "C" category, meaning that batch-to-batch color variation can occur.

POLYCOR® 944W005 is formulated to meet the rigid requirements of transportation, boating, and sanitary applications. It has enabled customers to meet and surpass all requirements of the American National Standard for plastic bathtubs, shower receptors and shower stalls, ANSI Z124.1, .2 – 1995, Sec. 6.1.1.

POLYCOR® 944W005 is ready to use, easy to spray, sag resistant, fast curing and requires only the addition of the proper amount of an appropriate methyl ethyl ketone peroxide to cure.

BENEFITS & FEATURES

- Quality finishes
- Chemical/water resistance
- Good, gloss retention, weatherability, and resiliency
- Approvable for transportation, marine, and sanitary.

PROPERTIES – LIQUID

Property (1)	Unit	944W005 White
Viscosity (2)	cps	18,000
Thixotropic Index (2/20)	-	6.5
Gel Time (3)	minutes	13.5

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RV Spindle #4 at 4 RPM
3) 1.8% DDM-9

APPLICATION

Proper mold maintenance is important. Although POLYCOR® 944W005 has excellent patching properties, minimal repair work is always desirable. Sanding and compounding can hasten the chalking and loss of gloss of all gel coats.

Refer to Polynt's Composites Applications Guide ("Cookbook") for equipment and application recommendations. 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 standard cure POLYCOR® 944W005 is 120 days from the date of manufacture from Polynt. The shelf life of fast cure (gel time less than 9 minutes) POLYCOR® 944W005 is 60 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

Polynt recommends the use of PATCHAID® when patching POLYCOR® 944W005 gel coats. Options are as follows:

- Polynt's PATCHAID® 970XJ037, 970X900, 970XJ166 and 970XA014 – Resin based products that can be mixed into the gel coat to improve the working properties of spray patches.
- FC PATCHAID® 970C961 Fast Cure Spraycure™– Monomer based product that can be mixed into the gel coat to improve the working properties of spray patches or can be used as an overspray to seal the open side of spray patches.

SAFETY & WARRANTY

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