PRODUCT BULLETIN

July 2020

ARMORCOTE® 951 Series

Superior Weathering Resistant Gel Coats

DESCRIPTION

Products in the ARMORCOTE® 951 Series are advanced technology polyesters developed for superior weathering resistance to surface yellowing and chalking.

These products are designed for marine, transportation, construction and other applications where exterior durability is critical. ARMORCOTE® 951 Series gel coats have excellent color and gloss retention with UV exposure.

ARMORCOTE® 951 products are also blister resistance comparable to most gel coats. They have enabled customers to meet or surpass all requirements of the American National Standard for plastic bathtubs, shower receptors and shower stalls for ANSI Z-124.1, .2, and .3, 1995, Section 6.1.1.

BENEFITS & FEATURES

- Batch-to-batch consistency and uniformity from production utilizing Statistical Process Control (S.P.C) & Statistical Quality Control (S.Q.C) techniques
- Blister resistance
- Superior weathering resistance to surface yellowing and chalking
- Excellent flexibility, minimizes surface cracks during de-molding and stress cracks in the field
- Sag resistant

PROPERTIES – LIQUID

Property (1)	Unit	951 White	951 Colors
Viscosity (2)	cps	11,500	13,500
Thixotropic Index (3)	-	5.5	5.6
Gel Time (4)	minutes	17.5	12.5

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RV Spindle #4 at 4 RPM
3) Brookfield Viscometer RV Spindle #4 at 2/20 RPM
4) 1.8% Luperox® DDM-9

APPLICATION

ARMORCOTE® 951 Series gel coats are formulated for spray or brush application. Brushable versions have the word "Brushable" in the product description and the last character in the product code is B. Refer to Polynt's Composites Applications Guide for guidelines on brush application. Brushing of sprayable versions is not recommended due to flow and leveling issues.

Reds, yellows and dark blues may have low hiding power. Ask a Polynt representative to determine if the selected red, yellow or blue require a special application procedure – such as applying increased film thickness in multiple cured applications.

A fiberglass part is the mirror image of the mold. A preventive maintenance program for molds is essential. This will minimize the repair work (sanding and buffing) needed on the fiberglass parts. Sanding and buffing can substantially reduce the durability of the gel coat.

Products in the ARMORCOTE® 951 Series will retain a slight tack depending on temperature, humidity, catalyst type and level. Use FC PATCHAID® 970C961 Spraycure™ as an overspray to seal the patch open side.

CAUTION

ARMORCOTE® products may not be compatible in the liquid state with other gel coats or resins. Spray and pumping equipment must be completely clean of gel coats or resins prior to use. Defects in the final gel coat film may occur if the cleaning step is not completed properly. Do not add any material other than recommended methyl ethyl ketone peroxide to these products without the advice of a representative of Polynt Composites.

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 ARMORCOTE® 951 Series gel coats is 120 days from the date of manufacture from Polynt. The shelf life of fast cure (gel time less than 9 minutes) ARMORCOTE® 951 Series gel coats 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

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Polynt recommends the use of PATCHAID® when patching ARMORCOTE® 951 Series 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.