PRODUCT BULLETIN

March 2024

ARMORCOTE® 991 Series

MACT Compliant Gel Coats

DESCRIPTION

Products in the ARMORCOTE® 991 Series gel coats are advanced technology polyesters developed for lower emissions, improved flexibility, and superior weathering resistance to surface yellowing and chalking. These gel coats have been formulated to be MACT compliant for the fiberglass industry.

BENEFITS & FEATURES

- Superior weatherability
- Superior gloss retention
- MACT Compliant products available under all standards
- Excellent blister resistance

PROPERTIES – LIQUID

Property[1]	Unit	Armorcote® 991
NVM	%	70
Viscosity[2]	cps	15,500
Thix Index	-	5.75
Gel Time[3]	minutes	14
Lay-up time	minutes	53
Sag Resistance	mils	No Sag at 24 mils

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

APPLICATION

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 products available for commercial use.

SHELF LIFE & STORAGE

The shelf life of standard cure ARMORCOTE® 991 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® 991 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

Polynt recommends the use of PATCHAID® when patching ARMORCOTE® 991 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.