PRODUCT BULLETIN

September 2020

ARMORCOTE® 941CJ018

Patching Thinner for Marine Clear Coats

DESCRIPTION

ARMORCOTE® 941CJ018 has been developed specifically for patching metal flake. It is to be used with its specific counterpart clear gel coat. This thinner is a non-filled/thixotropic version of its counterpart clear gel coat, therefore being completely compatible. This thinner contains no surfacing agent, which has a tendency to cause hazing when trapped within the metal flake film. Because this thinner is of the same base material as the counterpart clear, the thinner/gel coat mix can be of any ratio desired. A suggested starting point though, is 50:50.

BENEFITS & FEATURES

- Same color and clarity as used for the part itself
- Better flow characteristics (less orange peel)
- No possibility of entrapping surfacing agent
- Better exposure characteristics

PROPERTIES – LIQUID

Property(1)	Unit	941CJ018
Viscosity(2)	cps	*All Products are thin, "light syrup"
Total VOC	%	50.3
Gel Time(3)	minutes	8.5
Weight per Gallon	lbs/gal	8.51
Flash Point (Seta Closed Cup)	°C/°F	26/79

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RV Spindle # 4 at 20 RPM
3) 1.80% DDM-9

APPLICATION

Recommended Procedure:

Dilute the designated compatible clear gel coat with the counterpart thinner. Suggested starting point is 50:50, although this ratio can be altered to suit your individual needs. Add the appropriate amount of metal flake to a portion of your mix. Catalyze, and then spray this metal flake mix onto the area to be patched. Then spray catalyzed clear mix on top of the metal flake coat. For surface cure, use FC PATCHAID® 970C961 Fast Cure Spraycure™ as an overspray to seal the open side of spray patches. Correct thickness will be the thinnest film possible, somewhere around 1-2 mils. Sanding time will be 60-90 minutes dependent upon ambient temperature.

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 ARMORCOTE® 941CJ018 is 60 days (fast cure with gel time less than 9.0 minutes) 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 does NOT recommend the use of wax-containing additives when marine clear gel coats. Options are as follows:

- FC PATCHAID® 970C961 Fast Cure Spraycure™– Monomer based product that 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.