PRODUCT BULLETIN

November 2020

IMEDGE® PCT100, PCT110

Polymer Coating Technology Gel Coats

DESCRIPTION

IMEDGE® PCT100 and PCT110 coatings are advanced Polymer Coating Technology (PCT) products that have been formulated to be used as in-mold, exterior coatings for reinforced plastic parts.

BENEFITS & FEATURES

- Deep, dark, rich, high gloss colors
- Excellent color and gloss recovery after sanding and buffing
- Exceptional water resistance
- Excellent blush resistant
- IMEDGE® PCT100 has excellent weathering resistance
- IMEDGE® PCT110 has *exceptional* weathering resistance
- Enhanced impact resistance and toughness for reduced cracking
- Excellent scratch and wear resistance
- Resistant to porosity

PROPERTIES – LIQUID

Property(1)	Unit	PCT100	PCT110
Viscosity(2)	cps	11,000	11,000
Thix Index	-	5.0	5.0
Gel Time(3)	minutes	16	16
Lay-up time	minutes	70	125
Sag Resistance	mils	Good at 20	Good at 20
Specific Gravity	lbs/gal	8.95	8.95
Flash Point (Seta Closed Cup)	°C/°F	27/81	27/81

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

APPLICATION

Please refer to Polynt Composites MB-406 IMEDGE® Patching Procedure for guidance on patch and repair of IMEDGE® gel coats.

IMEDGE® PCT100 and PCT110 products are formulated for spray application. Brushing or rolling is not recommended. IMEDGE® PCT100 and PCT110 products can be applied with typical gel coat spray application equipment. Use of external catalyst mix equipment is recommended. Use of internal mix spray equipment increases the potential for porosity.

IMEDGE® PCT100 and PCT110 Series products may not be compatible in the liquid state with certain isophthalic coatings or with isophthalic resins. Spray and pumping equipment must be completely clean of these coatings or resins before the IMEDGE® PCT100 and PCT110 Series can be used.

Do not add any material, other than the recommended methyl ethyl ketone peroxide, to this product without the advice of a Polynt representative. Under no circumstances should glycerin be added to these products.

Refer to Polynt 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 IMEDGE® PCT100, PCT110 gel coats is 120 days from the date of manufacture from Polynt. The shelf life of fast cure (gel time less than 9 minutes) IMEDGE® PCT100, PCT110 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 IMEDGE® PCT100, PCT110 gel coats. Options are as follows:

- 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.

RELATED LITERATURE

MB-406 IMEDGE® Patching Procedure.

SAFETY & WARRANTY

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