PRODUCT BULLETIN

June 2021

POLYCOR® 970C940, 970C949

Wax Solutions

DESCRIPTION

POLYCOR® 970C940 is a 2% wax solution in monomer. POLYCOR® 970C949 is an 8% wax solution in monomer. These solutions can be used to facilitate surface cure of polyester gel coat or laminating resin. The appropriate type and percent of catalyst must still be used, as wax solution does not replace the catalyst. Addition of the wax solution will allow the top surface of the polyester to cure tack-free.

BENEFITS & FEATURES

- Eliminates backside tack
- Seals surface to ensure full cure to air interface
- Enhances cleanability of surfaces

PROPERTIES – LIQUID

Property(1)	Unit	970C940	970C949
Appearance	-	Clear, light yellow	Clear, light yellow
Wax content	%	2	8
Viscosity(2)	cps	70	70
Specific Gravity	lbs/gal	7.4	7.4

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield LVF Spindle #1 @ 60 RPM

APPLICATION

If the wax solution is allowed to cool to less than 70°F, it could become cloudy and not be a uniformly dispersed solution. If this occurs, increase the temperature of the wax solution until restored to a clear appearance before using. Mildly agitate the wax solution before using.

The vehicle for the wax solution is styrene, and all safety precautions should be followed when using styrene. This material should be fully tested by the user to determine that it will meet all of their application and performance requirements. Do not use this material at temperatures below 70°F.

If wax solution becomes thick as syrup or contains solid particles, it should not be used.

Wax solution should not be used where the material surface is to receive further coatings or lamination. If used, thorough sanding and solvent washing should precede the next step.

Both product age and viscosity should be observed to avoid using polymerized material. Avoid excess usage because this may increase yellowing on exposure due to natural weathering.

	POLYCOR® 970C940	POLYCOR® 970C949	Comments
A. Patching-spray patches *When using PATCHAID® no additional wax solution is required or recommended* **Dab and putty patches**	5-10% 3%	3-5% 3-5%	Normally, patches are ready to sand in approximately 2 hours (2.0% catalyst and 77°F) when the patch is: • Dull in gloss • Tack free • A fingernail will not dent or leave an impression
B. Gel Coat to Enamel **Conductive Gel Coat to Enamel**	5% N/A	3-5% 2.5%	A minimum of 12 mils wet must be sprayed and temperature should be at least 70°F for proper cure.
C. Laminating Resin	3%	1%	This modified product surface may encounter secondary bonding difficulties unless it is sanded.

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 POLYCOR® 970C940 and POLYCOR® 970C949 is 180 days from the date of manufacture from Polynt. To maximize usage life and maintain optimum properties, wax solutions 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.

SAFETY & WARRANTY

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