PRODUCT BULLETIN

June 2024

STYPOL® 040-4917

Acrylic Modified Gel coat

DESCRIPTION

STYPOL® 040-4917 is a clear, acrylic modified NPG® isophthalic gel coat.

STYPOL® 040-4917 has been designed for use in the manufacture of cultured marble, onyx, and granite.

BENEFITS & FEATURES

- Excellent dimensional stability during hot and cold water cycling
- Excellent chemical and water resistance
- Good sprayability
- Excellent non-sagging properties
- High clarity
- UV Light stabilized
- Good color retention
- Suitable for low pressure spray equipment
- Meets gel coat test specifications according to ANSI Z124.3

PROPERTIES – LIQUID

Property(1)	Unit	040-4917
NVM	%	50.8
Viscosity(2)	cps	2,800
Thix Index	-	7.05
Gel Time(3)	minutes	12
Castable Time(4)	minutes	45
Flash Point (Seta Closed Cup)	°C/°F	29/85

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield Viscometer RV Spindle #3 at 20 RPM.
3) 2.0% United Initiators Luperox® DDM-9
4) Castable time refers to the point at which a gel coat film is ready to be cast upon.

APPLICATION

Do not add any material, other than the recommended methyl ethyl ketone peroxide, to this product without the advice of a of Polynt representative.

STYPOL® 040-4917 is designed for use with airless system gel coat applications. Suggested parameters are an 1840 tip, 450 psi fluid pressure, 15-20 psi assist pressure, and five-to-eight mil applications per pass. It is advisable to allow for time between passes for air release. Apply 16 to 20 on the deck and 20 to 25 on the bowl.

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 STYPOL® 040-4917 is 120 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 does not recommend addition of wax-containing additives when patching STYPOL® 040-4917 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.