PRODUCT BULLETIN

June 2024

BathCote® 992 Series

Sanitary Gel Coat

DESCRIPTION

BathCote® 992 gel coats are high performance products formulated for the s*anitary-ware* industries. These gel coats have low volatile organic compound properties.

BathCote® gel coats meet the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP): Reinforced Composites Construction.

The BathCote® 992 series resist blistering because they are formulated to provide high performance against water and certain chemicals. These gel coats were primarily developed for sanitary applications and provide durable, reduced maintenance products.

BathCote® 992 gel coats have enabled customers to meet and surpass all requirements of the American National Standard for plastic bathtubs, shower receptors, and shower stalls (IAPMO/ANSI Z124.1 .2 -2005, Section 6.1).

BENEFITS & FEATURES

- Reduced monomer losses into the air
- Resistance to porosity
- Resistance tearing, and color separation
- Sag resistance
- Good patch-ability

PROPERTIES – LIQUID

Property (1)	Unit	BathCote® 992
Viscosity (2)	cps	3,300
Thixotropic Index	-	5
Gel Time (3)	minutes	7
Flash Point (Seta Closed Cup)	°C/°F	31/88

1) All properties at 25°C/77°F unless otherwise noted
2) Brookfield RVF #4 Spindle at 2/20 RPM
3) 1.8% United Initiators Norox® MEKP-9

APPLICATION

Although the BathCote® 992 gel coats are formulated as low VOC products, it should be noted that over-atomization of a gel coat means more volatilization (more overspray, more monomer and solids loss, more odor). In addition to the low VOC chemistry, the lower viscosity and thixotropic index result in both less overspray and less monomer loss, but the total film thickness should be sprayed in multiple passes (at least 3 at 18 mils, 4 at 20 to 24 mils). More rapid film build could result in some sag.

The inherent chemistry of these gel coats does not allow for the same ease of *fluid movement* experienced with other gel coats. Adjustments may have to be made for pump pressure, delivery rate, tip size and atomization. Polynt-Reichhold does not recommend fluid lines longer than 50 feet, or pumps smaller than 20:1 ratio. In addition, 992's are more sensitive to cold temperatures than are other gel coats. BathCote® 992 gel coats are formulated for airless as well as conventional spray application. Neither brushing nor rolling is recommended. Refer to PB-16 (Application Guide) and PB-3 (Equipment Selection) Bulletins for additional specific recommendations.

Proper mold maintenance is important. Although 992's has excellent patching properties, minimal repair work is always desirable. Sanding and compounding can hasten the chalking and loss of gloss of all gel coats.

These products should not be used when temperature conditions are below 60°F, as curing may be adversely affected.

CAUTION
BathCote® 992 gel coats are not compatible in the liquid state with isophthalic gel coats or resins. Spray and pumping equipment must be completely clean of these products before 992's can be used. Do not add any material, other than the recommended methyl ethyl ketone peroxide, to these products without the advice of a Polynt representative. Under no circumstances should glycerin be added.

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 BathCote® 992 series is 120 days from the date of manufacture from Polynt. The shelf life of fast cure (gel time less than 9 minutes) BathCote® 992 series 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 BathCote® 992 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.