PRODUCT BULLETIN

May 2026

POLYCOR® 943 Series

ISO/NPG Gel Coats

DESCRIPTION

POLYCOR® 943 Series products are promoted, high performance gel coats formulated for use in sanitary and marine applications or any FRP application where resistance to water and blistering are needed.

Use of POLYCOR® 943 Series gel coats have enabled customers to meet and surpass all requirements of the American National Standard for plastic bathtubs, shower receptors, and shower stalls, ANSI Z124.1, .2 and .3 1995, Sec. 6.1.1.

These POLYCOR® 943 gel coats are ready to use, easy to spray, sag resistant, fast curing, and require only the addition of the proper amount of an appropriate methyl ethyl ketone peroxide to cure.

POLYCOR® 943 Series gel coats are available in whites and a wide range of colors.

BENEFITS & FEATURES

- Batch-to-batch consistency and uniformity from production utilizing Statistical Process Control (S.P.C) & Statistical Quality Control (S.Q.C) techniques
- Resistance to water and osmotic blistering
- Chemical resistance for a durable, long-lasting finish

PROPERTIES – LIQUID

Property (1)	Unit	943 White & Off White	943 Colors
Viscosity (2)	cps	17,500	11,500
Thixotropic Index (3)	-	6.5	6.5
Gel Time(4)	minutes	13.5	13.5

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

APPLICATION

POLYCOR® 943 gel coats must be mixed prior to use. This includes prior to production spray application, and when obtaining material for patching, or any material that has been set aside for patching. Several suitable types of mixing equipment and styles of agitators are available for both pails and drums. Regardless of the specific type used, the equipment must have sufficient horsepower (relative to container size) to achieve thorough circulation from top to bottom and out to the sides of the container. The agitator must be properly sized for the container and must allow for uniform mixing regardless of the liquid level in the container.

POLYCOR® 943 reds, yellows, and dark blues may have lower hiding power. Ask a Polynt representative whether a special application procedure, such as increased film thickness in multiple applications, is required.

Proper mold maintenance is important. Although POLYCOR® 943 gel coats have excellent patching properties, minimal repair work is always desirable. Sanding and compounding can hasten the chalking and loss of gloss of all gel coats.

CAUTION

POLYCOR® 943 products may not be compatible in the liquid state with other gel coats or resins. Spray and pumping equipment must be completely clean before POLYCOR® 943 gel coats 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.

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 POLYCOR® 943 Series gel coats is 120 days from the date of manufacture from Polynt. The shelf life of fast cure (gel time less than 9 minutes) POLYCOR® 943 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 POLYCOR® 943 gel coats. Options are as follows:

- Polynt's PATCHAID® 970XJ037, 970X900 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.