

Technical Data Sheet

Polycor® 944 Brushable Flowcoat Series

Description

- Thixotropic liquid,
- Isophthalic gel coat,
- Medium reactivity, accelerated,
- Light stabilized,
- Wax already included.

Polycor® 944 brushable gel coats are designed to meet the rigid requirements of transportation, boating and sanitary applications. Polycor® 944 brushable 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® 944 brushable gel coats are available in a wide range of colours and a PRP Corp colour-matching service is available upon request.

Polycor® 944 brushable gel coats demonstrate chemical resistance, heat resistance and resilience.

Typical Properties

Reactivity* (25°C, with 1.8% Andonox LCR-S)	15 to 18min
Viscosity (25°C Brookfield RVT, spindle No.5 @ 5 rpm)	23000cP to 27000cP
Thixotropic Index (Brookfield RVT, spindle No.5, speeds 5 & 50rpm)	3.8 to 4.4
Hide	300µm

*Cure: It is recommended to recheck the gel time in the customer's plant as age, temperature, humidity and catalyst will produce varied gel times.

PRP Corp recommends Andonox LCR-S or alternatively, MEKP-925, as the catalysts to be used. The catalyst level should not exceed 3% or fall below 1.2% for proper cure, with 1.8% at 25°C being ideal.

Normally the gel coat film is ready for lamination within 45 - 60 minutes. This time depends on material temperature, room temperature, humidity, air flow, amount of catalyst...

This product should not be used when temperature conditions are below 15°C (as cure may be adversely affected).



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Application

Do not over-mix gel coats. Over-mixing breaks down gel coat viscosity, increasing tendency to sag, and cause styrene loss, which could contribute to porosity. Gel coats should be mixed once a day for 10 minutes. The gel coat should be mixed to the sides and bottom of container with the least amount of turbulence possible. Air bubbling should not be used for mixing. It is not effective and only serves as a potential for water or oil contamination. Do not add any material, other than the amount of recommended methyl ethyl ketone peroxide, to this product without the advice of a representative of PRP Corp.

Isophthalic gel coats are not compatible, in the liquid state, with ISO/NPG gel coats or ISO/NPG resins. Spray and pumping equipment must be completely clean of ISO/NPG products before isophthalics can be used. Do not add any material, other than a recommended methyl ethyl ketone peroxide, to this product without advice from a PRP Corp representative.

Each user must determine the suitability of this product to their particular application. PRP Corp is always available to assist in the proper selection of all Polynt-Reichhold products available for commercial use.

Storage Limitations

Uncatalyzed, this gel coat has a usage life of 120 days from date of manufacture when stored at 23°C or below in a closed, factory-sealed, opaque container, and out of direct sunlight. The usage life is cut in half for every 15°C over 23°C. Totes of product can have even shorter usage life (66% of the drum shelf life mentioned above).

Disclaimer and Limitation of Liability

This datasheet contains data that is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out spot-tests to determine each product's suitability for their particular purpose. This data sheet and the properties of the product may change without notice. It is the user's responsibility to ensure that this data sheet is the most up to date version. PRP Corp is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Final determination of the suitability of the material for the use contemplated, the manner of use and whether the suggested use infringes any patents is the sole responsibility of the user.

Safety Information

For all safety and regulatory information, please contact PRP Corp for the most up to date Safety Data Sheet.

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