



Multi-purpose Gelcoat

Description SIROGEL® 9000 resin is a multi-purpose gelcoat based on resilient isophthalic polyester resin. This isophthalic type gel coat is pre-promoted with Cobalt Octoate at a level of 0.2 percent.

The clear thixotropic gel coat should be blended with appropriate pigment color paste to achieve the desired gel coat color. Blend ratio will depend on depth of color required in final application and will generally be between 15 - 25%.

The gelcoat can be applied by brush, lambs-wool paint roller or spray gun to the pre-waxed molds to give a wet film thickness of 1.0 to 1.5 mm thick. The applied coat should be even to minimize distortions in the finished products. At ambient temperatures (30°C) the gel coat should set sufficiently hard and ready for subsequent laminating steps within one hour. Attempts to laminate on under-cured gel coats will result in cracking or wrinkling.

SIROGEL® 9000 series gelcoat have been approved for use in constructions built under Lloyds Register’s survey.

SIROGEL® 9000 series gelcoat have passed “WRAS-certified”, meaning that they have been certified by the British Water Regulations Water Advisory Scheme to pass BS6920 – for use with potable water.

- Performance**
- Resist yellowing and UV degradation.
 - Resist water and moisture
 - Sustains moderate impact without cracking
 - Retain gloss if cleaned and polished.
 - Resist chemicals and salts
 - Resist gasoline, grease, and diesel fuel.
 - Resist blood meat and frozen food stuffs

- Suggested Uses**
- Water tanks
 - Furniture
 - Boats
 - Sanitary Products
 - Flowerpots
 - Wall Panels
 - Food containers
 - General Purpose and Portable toilets

Gelcoat liquid Properties @25 °C

Viscosity - Brookfield, cps	8000 – 12000
Thixotropic Index	5 – 6
Gel-time (using 1% M-50)	15 – 25
Specific Gravity	1.2

Standard Packaging 220 KGs Standard Steel Drums

Dot Label Required Flammable Liquid





Certificates and Approvals

The manufacturing, quality control and distribution of the products, by Saudi Industrial Resins comply with;

ISO 9001:2015 and ISO 14001:2015, with WRAS certification to pass BS 6920-Water Regulations advisory Scheme, and with the applicable Lloyd's rules and regulations for classification of special service craft.

Handling

SIROGEL® 9000 contain ingredients which could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn.

Saudi Industrial Resins Ltd maintains Material Safety Data Sheets for all of its products. Material Safety Data Sheets contain health and safety information, for development by users of appropriate product handling procedures, to protect employees and customers.

Our **MSDS** should be read and understood by all supervisory personnel and employees, before using SIR`s products in your facilities.

Recommended Storage

Drums

Store at temperatures below 25°C. Storage life decreases with increasing storage temperature. Avoid exposure to heat sources, such as direct sunlight or steam pipes. Keep containers sealed to prevent moisture pickup and monomer loss. Rotate stock.

Bulk

Store in stainless steel tanks or tanks lined with epoxy or phenolic coatings. Observe precautions against heat and moisture (see above). An oxygen or dry air spurge may be desirable to keep inhibitors activated. Store at temperature below 25°C.

Commercial Warranty

When stored in accordance with the above conditions, Saudi Industrial Resins warrants this product to remain within specifications for three months from the date of shipment. All things being equal, higher temperature will reduce product stability; lower storage temperature will extend product stability.



BS 6920-Water Regulations advisory Scheme



Applicable Lloyds rules and regulations for classification of special service craft

Notice: S.I.R. makes no warranty or representation as to the suitability of the product as specified herein for any particular application. The determination of the suitability of the above specification for any particular use is solely the responsibility of the user. All precautionary labels and notices should be read and understood by all supervisory personnel and employees before using. Consult S.I.R. and OSHA regulations for additional safety and health information. Purchaser is responsible for complying with all applicable federal, state or local laws and regulations covering use of the product. Special attention should be given to consumer applications. Freedom to use any patent owned by S.I.R. or others is not to be inferred from any statement contained herein.