

**TECHNICAL DATA SHEET**

**SIROGEL 5000  
(TOOLING GELCOAT)**

**DESCRIPTION:** SIROGEL 5000 resin is a vinyl ester-based gelcoat.

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 in order 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.

**PERFORMANCE:**

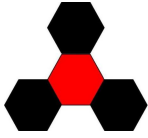
- Resist yellowing and UV degradation.
- Resist water and moisture
- Sustains moderate impact without cracking
- Retain gloss if cleaned and polished.
- Resist gasoline, grease and diesel fuel.
- Resist blood meat and frozen food stuffs

**SUGGESTED USES:**

- Water tanks
- Furniture
- Sanitary Products
- Flower pots
- Wall Panels
- Food containers
- General Purpose use
- Portable toilets

**GELCOAT LIQUID PROPERTIES (25 °C)**

Viscosity cps 25 °C	8000 - 12000
Thixotropic Index	5-6
Gel time 25°C (min) (using 1% M-50)	15-25



# الشركة السعودية للراتجات الصناعية المحدودة Saudi Industrial Resins Limited

س.ت 4030011854 - رقم العضوية 3275 جدة - رأس المال 50.000.000 مليون ريال (مدفوع بالكامل)  
CR 4030011854 CC 3275 Jeddah Capital SR 50 000 000 Fully Paid

## TECHNICAL DATA SHEET

### SIROGEL 5000 (TOOLING GELCOAT)

(Continued)

**STANDARD PACKAGE:** 220 Kgs Standard Steel Drums

**DOT LABEL REQUIRED:** Flammable Liquid.

**HANDLING:** Siropol 5000 resin contains 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 on all of its products. Material Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers.

Our MSDS should be read and understood by all of your 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.

**COMMERICAL 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.

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 ready 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.