



# SAUDI INDUSTRIAL RESINS LIMITED



## INTRODUCTION

Saudi Industrial Resins Limited is a joint venture between INEOS Composites and private Saudi Arabia shareholders and is the leading supplier of unsaturated polyester resins and vinyl ester resins in the MENA region.

In addition to its successful locally produced Siropol® and Hetron® ranges [manufactured under license from INEOS Composites], SIR distributes a wide range of composite auxiliaries - including glassfibre, catalysts, and accelerators. The company also distributes the INEOS Composites Derakane® range.

The original plant was completed in 1977 and, since that time, has undergone several capacities- and infrastructure-additions. The plant is totally self-sufficient, and can operate under its own generated electric power, chilled and cooling water, steam, and heating fluids.

SIR has manufacturing operations in Jeddah and in Jubail [Eastern Saudi Arabia]. 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 BS6920- Water regulations advisory scheme and with application Lloyd's rules and regulation for classification of special service craft.

The company owns significant storage capacities, which ensure that regional growth in consumption is matched by availability of cost-effective quality materials. The company is well-supported by the increasing range of petrochemical-based raw materials, produced in Saudi Arabia from low-cost feedstocks.

SIR offers technical service and development capabilities, to guarantee that it continues to be a leader in the provision of fit-for-purpose quality materials. The company's technical association with INEOS Composites ensures its access to global leading-edge polyester and vinyl-ester technologies, supplemented by an ability to customise materials to local conditions.

As an ISO-9001:2015 and ISO-14000:2015 company, SIR continuously reviews and improves its business processes, to ensure that its customer service abilities improve.

Derakane® and Hetron® are registered Trademarks of INEOS Composites Siropol® is a registered Trademark of Saudi Industrial Resins Ltd.



## PRINCIPLE MATERIAL GROUPS



## OUR PRODUCTS

Products	Characteristics	Suggested Applications
<b>ORTHOPTHALIC POLYESTER RESIN</b>		
<b>Siropol® 8340 Series</b>	<ul style="list-style-type: none"> <li>General purpose unsaturated polyester resin</li> <li>Approved for use in fabrication by Lloyd's-Register</li> <li>WRAS Certification to pass 6920-water regulation advisory scheme</li> </ul>	<ul style="list-style-type: none"> <li>Molding</li> <li>Casting</li> <li>Laminating</li> <li>Water tanks</li> <li>Bathtubs</li> <li>Boats</li> <li>Portable toilets</li> <li>Flowerpots</li> <li>Chairs</li> <li>Corrugated sheets</li> </ul>
Siropol® 8340 Siropol® 8340-P Siropol® 8340-TP	Medium viscosity, non-promoted version Medium viscosity, promoted version Medium viscosity, thixotropic, promoted version	
<b>Siropol® 8351 (Non-promoted)</b>	<ul style="list-style-type: none"> <li>Rapid cure without characteristic high Exotherm</li> <li>Good toughness</li> <li>Good water resistance</li> <li>Approved for use in construction by Lloyd's-Register</li> <li>WRAS Certification to pass 6920-water regulation advisory scheme</li> </ul>	<ul style="list-style-type: none"> <li>FRP/GRP Filament winding</li> <li>Pultrusion</li> <li>Water tanks</li> </ul>
<b>ENGINEERED STONE RESIN</b>		
<b>Siropol® 8420 Series</b>	<ul style="list-style-type: none"> <li>Exhibits superior wetting properties</li> <li>Accepts high filler load</li> <li>Shows less tendency to crack compared to other polyester resin</li> <li>Offers rapid gel and cure</li> <li>Approved for use in fabrication by Lloyd's-Register</li> </ul>	<ul style="list-style-type: none"> <li>Synthetic Marble counter tops</li> <li>Synthetic sinks</li> <li>Synthetic sanitary marble products</li> </ul>
Siropol® 8420-P Siropol® 8420-PMM Siropol® 8420-PUV	High viscosity, promoted version High viscosity, promoted, modified with UV stabilizer, acrylic modified version High viscosity, promoted, modified with UV stabilizer version	



**ISOPHTHALIC POLYESTER RESIN**

**Siropol® 7030**

Siropol® 7030-L  
Siropol® 7030-H

- Thickenable
- High heat deformation temperature
- High reactivity
- Low shrinkage
- High impact strength
- UL1316 approval MTBE fuel tanks

- Filament winding
- Hand lay-up and spray-up
- Fuel storage tanks
- SMC/BMC applications
- Pultrusion

**Siropol® 7241 Series**

Siropol® 7241  
Siropol® 7241-P  
Siropol® 7241-TP

- Excellent fiber wet-out
- Excellent crack and craze resistance
- Excellent corrosion resistance
- High impact strength
- High heat distortion temperature

Medium viscosity, non-promoted version  
Medium viscosity, promoted version  
Medium viscosity, thixotropic, promoted version

- Filament winding
- Pultrusion
- Hand lay-up and spray-up
- Storage tanks
- Leaded or MTBE gasoline tanks
- Molds
- Corrugated sheets

**Siropol® 7440 Series**

Siropol® 7440  
Siropol® 7440-P  
Siropol® 7440-TP

- Excellent fiber wet-out
- Good corrosion resistance
- High impact strength
- Excellent crack and craze resistance
- High tensile elongation
- Provides Class I ASTM E-84 flame retardancy with 100phr ATH
- Approved for use in fabrication by Lloyd's-Register

Medium viscosity, non-promoted version  
Medium viscosity, promoted version  
Medium viscosity, thixotropic, promoted version

- Filament winding
- Hand lay-up and spray-up
- RTM application
- FRP/GRP Filament winding
- Pultrusion
- Water tanks
- Corrugated sheets

**Siropol® 7742**

Siropol® 7742

- High HDT resilient resin
- Good corrosion resistance
- High impact strength
- Excellent crack and crease resistance
- Excellent water resistance

- Marine application
- Hot and humid climate
- Filament winding
- Hand lay-up and spray-up
- Fabrication of oversized composite assemblies



**ISO-NEOPENTYLGLYCOL RESIN**

**Siropol® 7130-PMM**

- Acrylic and UV modified solid surface resin
- Excellent water and chemical resistance
- High heat deflection temperature
- Displays excellent resistance to outdoor weather

- Manufacturing solid surfaces

**Siropol® 7170**

- Iso-NPG resin
- Good adhesion to rigid PVC pipes, profiles, tanks and panels
- Good corrosion resistance
- High impact strength

- Polymer concrete
- Filament winding
- Hand lay-up and spray-up

**Siropol® 7180**

- Hybrid of vinyl-ester and iso-NPG resin
- Good corrosion resistance
- High impact strength
- Excellent crack and crease resistance
- Approved for use in fabrication by Lloyd's-Register

- Polymer concrete
- Filament winding
- Hand lay-up and spray-up

**VINYL ESTER RESIN**

**Hetron® 922 Series**

- Excellent corrosion resistance against Acids and Bases
- Excellent impact strength
- Provides Class I ASTM E-84 flame retardancy with 100phr ATH
- High tensile elongation
- Approved for use in fabrication by Lloyd's-Register
- WRAS Certification to pass 6920-water regulation advisory scheme

- Equipment where strong acids and bases are encountered.
- FRP/GRP Filament winding
- Hand lay-up and spray-up
- Pultrusion

Hetron® 922  
 Hetron® 922-P  
 Hetron® 922-TP

Medium viscosity, non-promoted version  
 Medium viscosity, promoted version  
 Medium viscosity, thixotropic, promoted version





**Products****Characteristics****Suggested Applications****SMC/BMC RESIN****Siropol® 3000**

- High reactivity
- Thickenable
- Ortho polyester resin
- Provides excellent weather performance
- Good detergent resistance
- Good di-electric properties

- Sheet molding compound (SMC)
- Bulk molding compound (BMC)
- Pultrusion applications
- UV resistant pultrusion parts
- Cable trays
- Ladder rails

**Siropol® 3500**

- High reactivity
- Thickenable
- Iso polyester resin
- Provides excellent weather performance
- Good detergent resistance
- Good di-electric properties

- Sheet molding compound (SMC)
- Bulk molding compound (BMC)
- Pultrusion applications
- UV resistant pultrusion parts
- Cable trays
- Ladder rails

**Siropol® 3700**

- High reactivity
- Thickenable
- Iso-NPG polyester resin
- Provides excellent weather performance
- Good detergent resistance
- Good di-electric properties

- Sheet molding compound (SMC)
- Bulk molding compound (BMC)
- Pultrusion applications
- UV resistant pultrusion parts
- Cable trays
- Ladder rails

**HALOGENATED RESIN****Siropol® 8050 Series**

- Flame retardant base resin
- Good corrosion resistance
- Excellent strength retention at high temperatures
- Provides Class I ASTM E-84 flame retardancy with 5% antimony trioxide
- Provides BS476:Part 7:1997 Class I flame retardancy with 5% antimony trioxide

- Interior furniture
- Building panels
- FRP/GRP Filament winding
- Hand lay-up
- Pultrusion
- Infusion applications

Siropol® 8050  
Siropol® 8050-A  
Siropol® 8050-AUV



**ISOPHTHALIC GELCOAT RESIN**

**Sirogel® 7241  
(Non-promoted)**

- Resists yellowing and UV degradation
- Resists water and moisture
- Resists moderate impact without cracking
- Resists gasoline, grease, diesel fuel
- Resists blood and meat
- Resists Frozen food items

- Furniture
- Boats
- Sanitary products
- Wall panels
- Food containers
- Portable toilets
- Hard surfaces
- Molds

**Sirogel® 9000  
(Pre-promoted)**

- Resists water and moisture
- Resists moderate impact without cracking
- Resists gasoline, grease, diesel fuel
- Resists blood and meat
- Resists Frozen food items
- Approved for use in fabrication by Lloyd’s-Register
- WRAS Certification to pass 6920-water regulation advisory scheme

- Water tanks
- Furniture
- Sanitary products
- Wall panels
- Portable toilets

**Sirogel® 9100  
(Pre-promoted, pigmented)**

- Resists yellowing and UV degradation
- Resists water and moisture
- Resists moderate impact without cracking
- Resists gasoline, grease, diesel fuel
- Resists blood and meat
- Resists Frozen food items
- Approved for use in fabrication by Lloyd’s-Register
- WRAS Certification to pass 6920-water regulation advisory scheme

- Furniture
- Boats
- Sanitary products
- Wall panels
- Food containers
- Portable toilets
- Hard surfaces
- Molds

**NEOPENTYL GYCOL, ISOPHTHALIC GELCOAT RESIN**

**Sirogel® 9030  
(Non-promoted)**

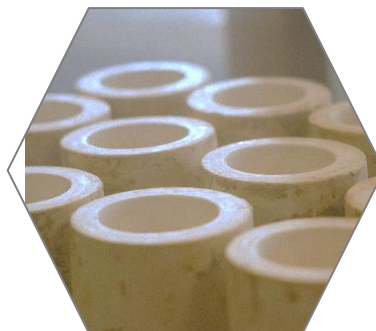
- Resists yellowing and UV degradation
- Resists water and moisture
- Resists moderate impact without cracking
- Resists chemical and salts

- Furniture
- Boats
- Sanitary products
- Wall panels
- Portable toilets
- Molds

**Sirogel® 9130  
(Pre-promoted)**

- Resists yellowing and UV degradation
- Resists water and moisture
- Resists moderate impact without cracking
- Resists gasoline, grease, diesel fuel
- Resists blood and meat
- Resists Frozen food items

- Furniture
- Boats
- Sanitary products
- Wall panels
- Portable toilets
- Molds





**Products**

**Characteristics**

**Suggested Applications**

**SPECIALITY PRODUCTS**

**Siropol® 8770**

- Fast-cure
- Flexible
- Accepts high filler loading
- Superior metal adhesion
- Putty resin

- Car putty

**Siropol® 8775**

- Clear, amber color
- Fast curing
- Flexible
- High tensile elongation > 140 %
- Compatible with most polyester and vinyl ester resin

- Application requiring high flexibility

**Releasing agent SL-2**

- De-molding of cured parts from the mold
- Excellent mold releasing properties
- Compatible with most mold releasing waxes
- Dries rapidly giving thin flexible layer

- Mold releasing

**TRADE PARTNERS & QUALITY STANDARDS**



Selected resins approved for potable water, under BS6920



Selected resins meet Lloyd's Register performance standards



Selected resins achieve ASTM E-84 Class I Fire Retardancy

# CERTIFICATIONS

**DAS CERTIFICATION**



## Environmental Management System

**Certificate of Approval**  
This is to certify that the EMS of  
**Saudi Industrial Resins Limited**  
8075 - Third Industrial City  
Unit Number: 548  
JEDDAH-22772-3322  
Kingdom of Saudi Arabia  
Has been assessed and found to meet the requirements of  
**ISO 14001:2015**  
This certificate is valid for the following scope of operations  
**Manufacture of Unsaturated Polyester Resins & Other Synthetic Polymers**

Authorised by:  Stan Wright  
Director

Date of Certificate Issue: 29 April 2022  
Certificate Valid Until: 28 April 2025  
Recertification audit before 29 March 2023. Certified since 29 April 2013.  
This certificate is the property of SN Registrars (Holdings) Limited and remains valid subject to satisfactory annual Surveillance audits.

SN Registrars (Holdings) Limited  
Registration House, 22b Church Street,  
Rushden, Northamptonshire,  
NN10 9TY, UK  
Tel: +44 (0) 1933 381859  
Email: enquiries@dascertification.co.uk  
Web: www.dascertification.co.uk  
Company Number: 07655067

Certificate Number: DAS 26751087/48/E Rev: 003



**DAS CERTIFICATION**



## Quality Management System

**Certificate of Approval**  
This is to certify that the QMS of  
**Saudi Industrial Resins Limited**  
8075 - Third Industrial City  
Unit Number: 548  
JEDDAH-22772-3322  
Kingdom of Saudi Arabia  
Has been assessed and found to meet the requirements of  
**ISO 9001:2015**  
This certificate is valid for the following scope of operations  
**Manufacture of Unsaturated Polyester Resins & Other Synthetic Polymers**

Authorised by:  Stan Wright  
Director

Date of Certificate Issue: 29 April 2022  
Certificate Valid Until: 28 April 2025  
Recertification audit before 29 March 2023. Certified since 29 April 2013.  
This certificate is the property of SN Registrars (Holdings) Limited and remains valid subject to satisfactory annual Surveillance audits.

SN Registrars (Holdings) Limited  
Registration House, 22b Church Street,  
Rushden, Northamptonshire,  
NN10 9TY, UK  
Tel: +44 (0) 1933 381859  
Email: enquiries@dascertification.co.uk  
Web: www.dascertification.co.uk  
Company Number: 07655067

Certificate Number: DAS 5707513/48/Q Rev: 003



 Lloyd's Register

Page 1 of 4  
Certificate No: LR024047476 P  
Issue Date: 30/02/2020  
Body Date: 30/02/2020

### Certificate Of Approval Of A Vinyl Ester Resin

<b>Manufacturer</b>	Saudi Industrial Resins Ltd.		
<b>Address</b>	2nd Industrial Area Jubail Industrial, City PO Box 20048, Jubail, 31961, Saudi Arabia		
<b>Product</b>	HERTON		
<b>Type</b>	Vinyl Ester Resin		
<b>Resin</b>	922		
<b>Application</b>	Laminating resin		
<b>Characteristics</b>			
<b>Applicable LR Rules</b>	Lloyd's Register Rules for the Manufacture, Testing and Certification of Materials		
<b>Approved Variants</b>	HERTON D	Pre-accelerated	
	HERTON TP	Pre-accelerated	Unidirectional

This certificate is issued to the manufacturer named above. The resin described has been examined in accordance with the requirements of Lloyd's Register and is approved for use in construction built under Lloyd's Register survey.

This approval is subject to Lloyd's Register being informed of any changes in or modifications to the resin being used in accordance with the manufacturer's instructions and the relevant requirements of Lloyd's Register Rules and Regulations.

  
Peter Smith  
Lead Specialist, New Materials Group,  
Regulatory Director,  
A member of the Lloyd's Register group

25 Leake Street, London, EC3A 4QA, United Kingdom

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LR024047476

Approval Number: 2100641  
Test Report: MACT51544\_MACT51520



Water Regulations Approval Scheme Ltd  
One 12  
White Road,  
Plan y Fan Industrial Estate,  
Cwmbran,  
Gwent,  
NP23 5EE

17<sup>th</sup> January 2022  
Saudi Industrial Resins Ltd  
P.O. Box 7764  
Jubail  
31972  
Saudi Arabia

**WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS) MATERIAL APPROVAL**

The materials referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920:1 2008 and/or 2014. Suitability of new materials for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

The reference relates solely to the effect on the quality of the water with which it may come into contact and does not imply the approval of mechanical or physical properties for any use.

**POLYESTER MATERIAL ONLY.** 3017

Strap 7447, Light orange/peach coloured, liquid injection moulded polyester resin. For use with water up to 45°C.

**APPROVAL NUMBER:** 2100641  
**APPROVAL HOLDER:** SAUDI INDUSTRIAL RESINS LTD

The Scheme reserves the right to review approval.  
Approval 2100641 is valid between March 2021 and March 2023.

As set out above, we accordingly are included in the Water Fittings Directory on the under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: [www.wrasapproval.co.uk/approvals-directory/](http://www.wrasapproval.co.uk/approvals-directory/)

Yours Faithfully  
  
Ian Hughes  
WRAS Approval Manager

### TEST REPORT REACTION TO FIRE TEST

**Test Sponsor:**  
Saudi Industrial Resins Ltd.  
PO Box 7764  
Jeddah 21472, Kingdom of Saudi Arabia  
T: +966 13 358 1165 F: +966 13 358 1225  
Website: <https://sir-rl.com>

**Test Material / Assembly:**  
4.0mm thick Glass Reinforced Plastic HERTON 922 Resin

**Test Standard:**  
ASTM E84 - JJ- Standard Test Method for Surface Burning Characteristics of Building Materials



 **THOMAS BELL WRIGHT INTERNATIONAL CONSULTANTS**

PO BOX 26385, DUBAI, UAE T +971 04 821 5777 fax@bellwright.com www.bellwright.com

DUBAI DOHA RYADH

Test Date: 18 Jul 21  
Issue Date: 02 Aug 21  
Test Reference No: XF088-1

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### BS 476: Part 7: 1997



**Method For Classification Of The Surface Spread Of Flame Of Products**

A Report To: Saudi Industrial Resins Limited

Document Reference: 312514

Date: 28<sup>th</sup> November 2017  
Issue No.: 1  
Page 1

**Testing Advising Assuring**

Registration No: 1004 (2012) (UK), Limited Liability Partners, Warrington, Cheshire, Warrington (2012) 047, United Kingdom, Registered in England  
This report is issued in accordance with our terms and conditions, which are available on request.



## LOCATION



### **Jeddah Head Office**

8075 Third Industrial City, Unit No 548, PO Box 7764, Jeddah, 21472, Saudi Arabia

### **Jubail Plant**

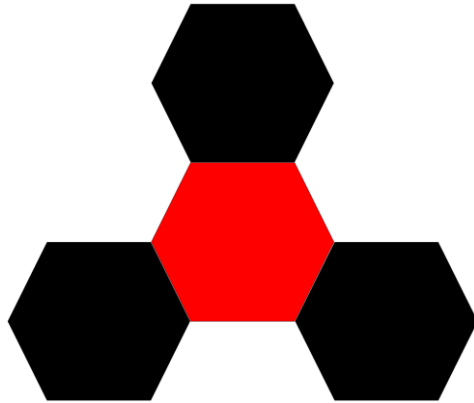
31961, Second Industrial Area, Jubail Industrial City, PO Box 35584, Jubail, Saudi Arabia

### **Dammam Branch**

31492, Dallah Industrial Area, PO Box 8619, Dammam, Saudi Arabia

### **Riyadh Branch**

4322, Wajdah, 8080, As Sulay, 14267, Riyadh, Saudi Arabia



# SAUDI INDUSTRIAL RESINS LIMITED

**Jeddah Plant:**

8075, 3<sup>rd</sup> Industrial City, Unit No. 548  
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**Dammam Branch:**

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**Jubail Plant:**

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**Riyadh Branch:**

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Riyadh, Saudi Arabia

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