



ميراك الدوليه  
MERAC INTERNATIONAL





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## ABOUT US

Founded by Rashid Nasser Z A Al-Qahtani and headquartered in Qatar, MERAC International is a business conglomerate operating in Middle East and India. From Pre-Engineered building , roof and wall cladding systems, internal partitions to GRP items including Roofcurbs, Skylights, fire rated doors, GI Coils, HR plates and steel tanks, Merac has established its mark over diverse areas of industrial construction sector and Manufacturing. With strong emphasis on honest and innovative client interactions, Merac is a fast-developing company with its application catering to the clients across GCC and India. The workforce in Merac is a vibrant mix of experienced as well as creative young innovators who take up the challenges and customize client customer services. We have extended our reach across Qatar and are the emerging leaders in our field.

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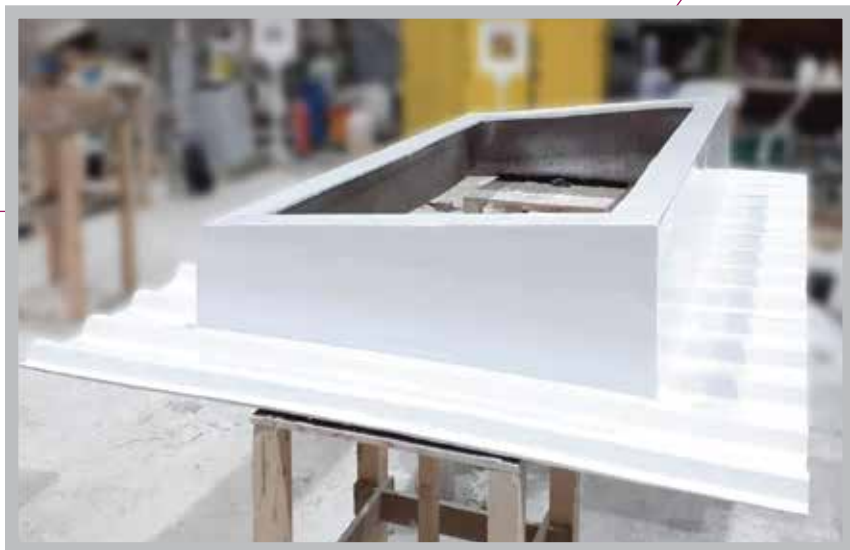
GRP CUSTOM MOLDED PRODUCTS

FIXING ACCESSORIES












## GRP ROOF CURBS



Prefabricated roof curbs reduce installation time and costs by ensuring compatibility between the fan, curb and roof opening. A wide variety of roof curbs are available including: flanged, straight - sided, canted, ridged, vented, and sound- pitched, absorbing. Extensions raise the fan discharge and can provide an accessible mounting location for dampers. Insect screen bases are also available.



-  Weatherproof to all extreme conditions
-  UV - Stability
-  High Impact - Resistant
-  Fire Retardant & Self Extinguishing
-  Anti - Static
-  High Strength -to- Weight Ratio Over Steel
-  Customizable Design, Accessories & Options

### MECHANICAL / THERMAL / PHYSICAL PROPERTIES

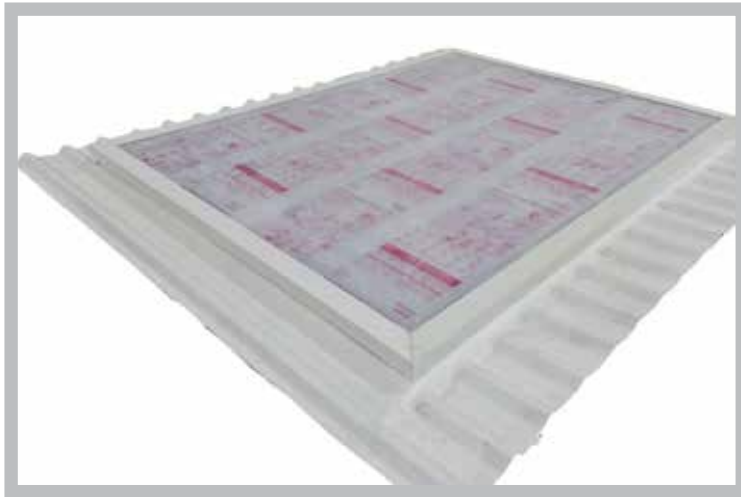
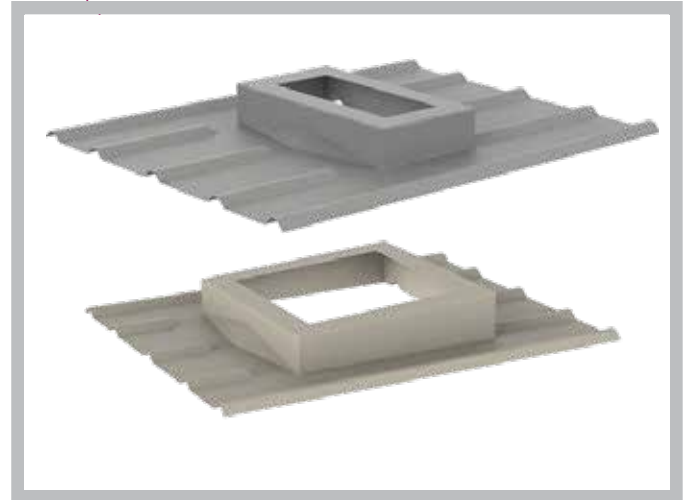
|                                  |                                       |                |
|----------------------------------|---------------------------------------|----------------|
| TENSILE STRENGTH                 | 80 MPA                                | ISO 527-1/2-93 |
| FLEXURAL STRENGTH                | 120 MPA                               | ISO 178-93     |
| IMPACT STRENGTH(IZOD NOTCHED)    | 45 KJ/m <sup>2</sup>                  | ISO-180-93     |
| TENSILE MODULUS                  | 8000 MPA                              | ISO 527-1/2-93 |
| FLEXURAL MODULUS                 | 7000 MPA                              | ISO 178-93     |
| HARDNESS(BARCOL 934-1)           | 40-45                                 | ASTMD-2583-87  |
| TENSILE ELONGATION               | 1.8%                                  | ISO 527-1/2-93 |
| CO-EFFICIENT OF LINEAR EXPANSION | 26 X 10 <sup>-6</sup> / °C            |                |
| THERMAL CO-EFFICIENT(k)          | 0.2 W/mK                              |                |
| OPERATING TEMPERATURE            | LIPTO 80°C                            |                |
| WATER ABSORPTION (7 DAYS)        | 31mg (BS 2762,PART 4:METHOD 430 A-83) |                |
| DIMENSIONAL TOLERANCE            | LENGTH: ±5MM, WIDTH: ±10MM            |                |



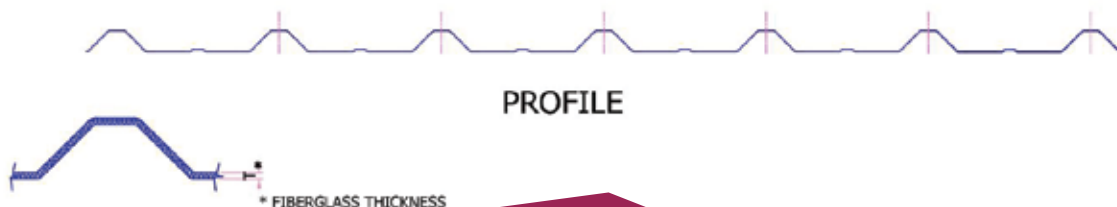
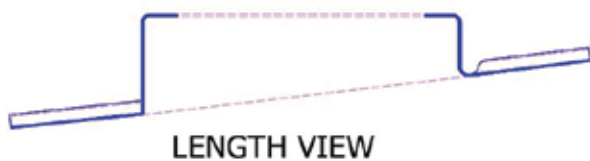
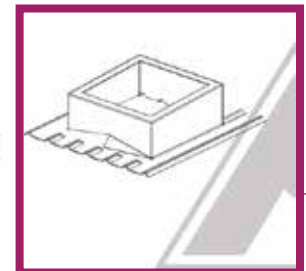
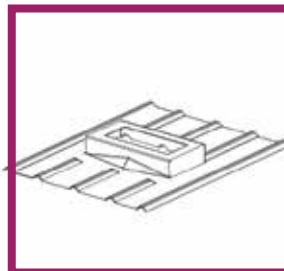
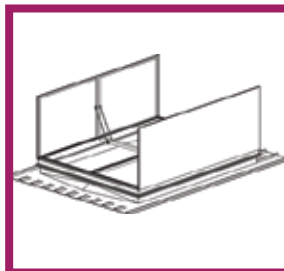
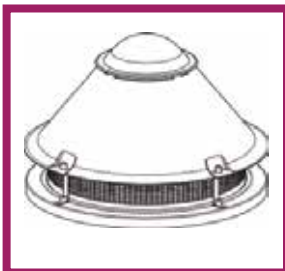
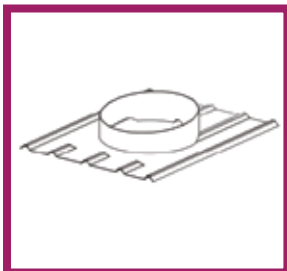


## GRP ROOF CURBS

GRP soaker panels are manufactured by using UV stabilized gel coats, thermosetting polyester resin and 'E' grade glass fiber mat of high quality. Their design is the most appropriate solution to provide a 100% leak proof connection between the normal roofing sheet and any projection above the roof surface designed to accommodate extract fans, chimneys and polycarbonate skylight sheets. These are available in round, rectangular and square openings. They are manufactured to suit any profile and color of roofing sheet. They are high temperature and humidity resistant and can be customized to the customer requirements.

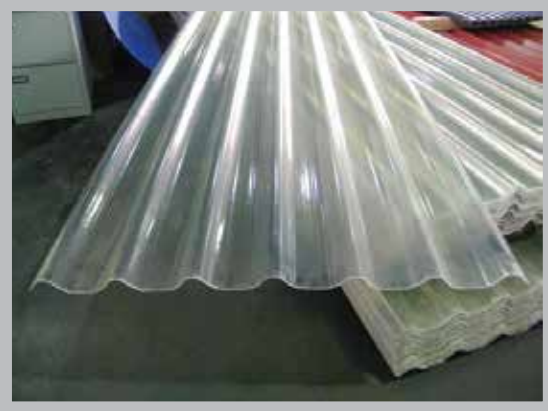


## Different Applications of GRP Roofcurbs

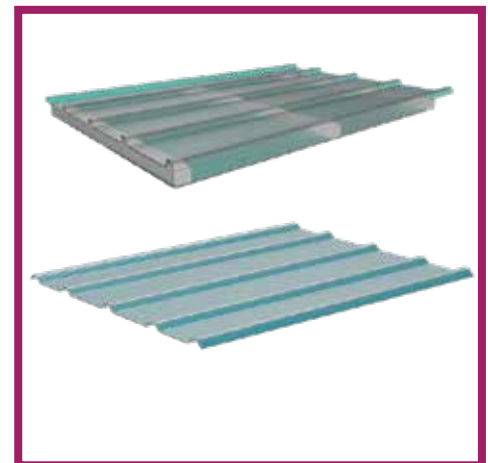
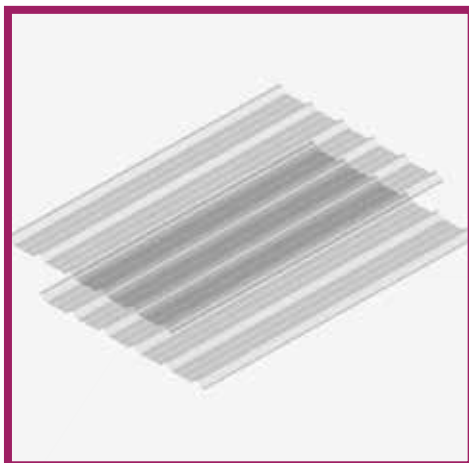




## GRP SKYLIGHTS



GRP Roof lights are fiber glass sheets that are used to allow natural daylight to enter a building. The thickness of the sheets of the Skylights are starting from 1.5mm to 3mm. This ensures minimum risk of breakage, but maximum flexibility. The light that enters through the sheeting is diffused at a transmission rate of 80%. The GRP Roof lights we offer can avoid fading from ultra violet radiation with our anti-fade cover.





## GRP SKYLIGHTS

### Uses

- Suitable for a range of projects including agricultural, factories and others

### Benefits

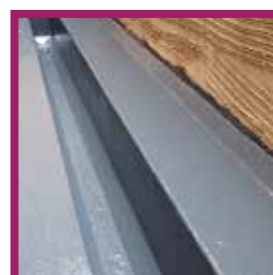
- Allows natural daylight into the premises
- Resistant to most cleaning chemicals

### Lightweight

- Fast and easy to fit, can be fixed and cut with simple tools
- Offers sun protection against damaging ultra violet sun rays into fading properties
- Available from 1m to 7m in multiple profiles



## GRP GUTTERS & DOWN SPOUTS



GRP Downspouts and Gutters are used in Construction industry with their application for fluid drainage with sealing. They are manufactured by using UV stabilized gel coats, thermosetting polyester resin and 'E' grade glass fiber mat of high quality. They have good thermal insulation, are non-adsorbent to hydro carbons and are high temperature resistant. Our multiple options allow our customers to customize the final product to meet their requirement.

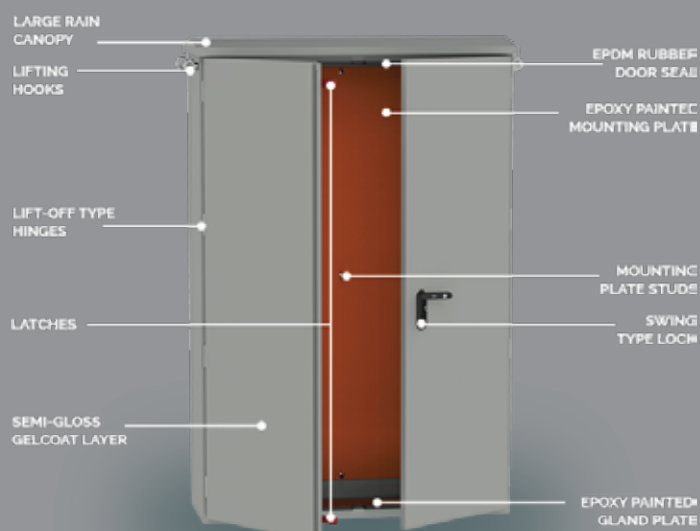
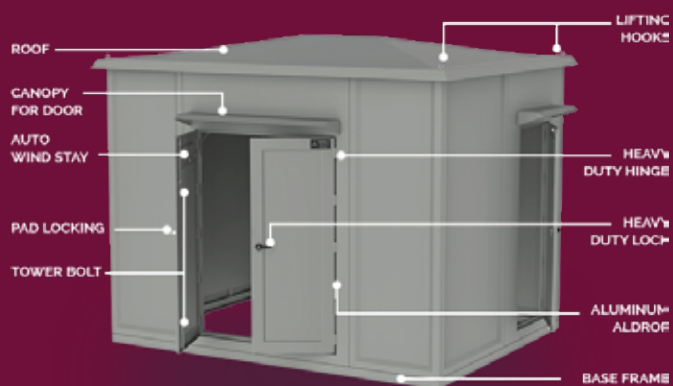
| Features                           | Specifications  | Other Options                             |
|------------------------------------|---|---|
| Weatherproof                       | UV resistant - ASTM G154 Certified  |   |
| High Impact Resistant              | IK8, BS EN 62262-22002 Certified  |   |
| Wall Thickness                     | Single skin-3 mm  |   |
| Semi-gloss External Gelcoat Finish | Light grey RAL 7035   | Alternate RAL colors available on request |
| Non absorbent to hydrocarbons      |   |   |
| Customizable                       | Alternate sizes, accessories and options to match required specifications |   |
| Wireless Transparency              | Freely permeable to Electromagnetic and Radio signals                     |   |



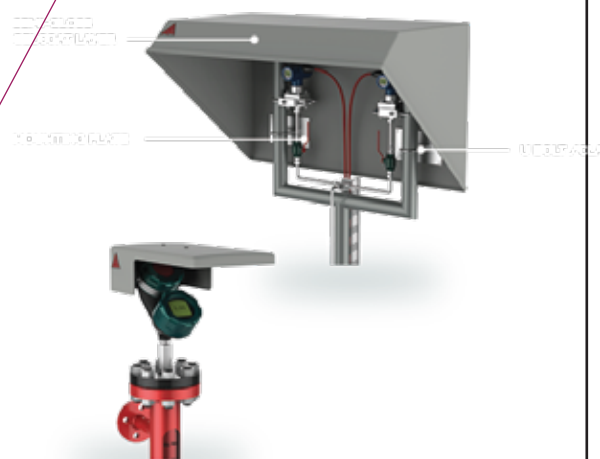


## GRP KIOSKS & ENCLOSURES

Our Glass reinforced polyester enclosures are Manufactured with weatherproof materials with certified self-extinguishing fire retardancy and anti-static external gelcoat finish. Product ranges from single door to multi door, metering cabinets, specialized enclosures for system integrations, and utility specific enclosures.



## GRP BATTERY BOX & INSTRUMENT SHADES





## GRP LINING WORKS



GRP Lining for Gutters, Underground Concrete water tanks / Chemical Storage Tanks & Steel Tanks prevents leakage and absorption of water and protects water from algae and fungal growth. GRP Lining is permanent layer coating process, and will last for a lifetime. GRP lined tanks are suitable for storage of potable water as we are using the same water Tank manufacturing materials for Lining.







## GRP ACCESS LADDERS

Designed to provide permanent access with safety even in the most difficult environmental conditions. It offers a direct replacement/alternative to conventional metal ladders at economical pricing. Fiberglass Ladders are fabricated using primarily our standard range of structural profiles. The GRP Access Ladders can be manufactured to virtually any size, height or width within regulations. We can also offer safety cages and GRP barriers.

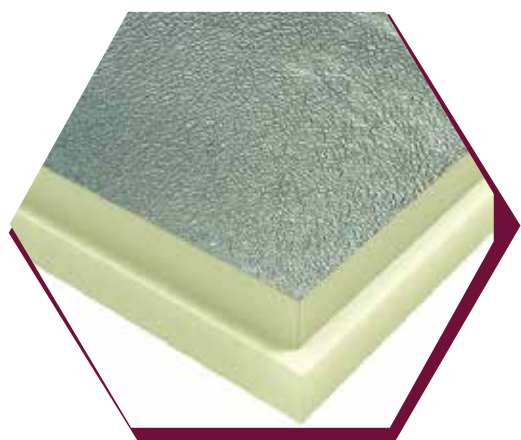


## GRP MACHINE COVERS

GRP Machine Covers are designed, manufactured and installed to protect the machines from dust and rain.



## PIR / PU BOARDS



Polyisocyanurate (PIR) is one of the most efficient insulation material used in construction. This product is an improvement of previously used PUR boards (polyurethane), typically produced as a foam and used as rigid thermal insulation. This type of insulation offer many advantages when compared with other traditional insulating materials, and over its useful life will save 80 times more energy than was used to make it. Most popular type of PIR insulation board comprises a rigid PIR insulation core sandwiched between two high performance aluminium foil facings to create a tough, durable, light weight insulation board that performs whilst reducing the overall cost to build.



## OTHER PRODUCTS



**RIVET**



**SADDLE WASHER**



**SCREW CAP**



**SCREWS**



**SHEAR STUD**



**MASKING TAPE / PURLIN TAPE**



**SOLAR PANEL MOUNTING BRACKETS**



**DEKTITE**



**SILICONE TUBE**



**SAG ROD**



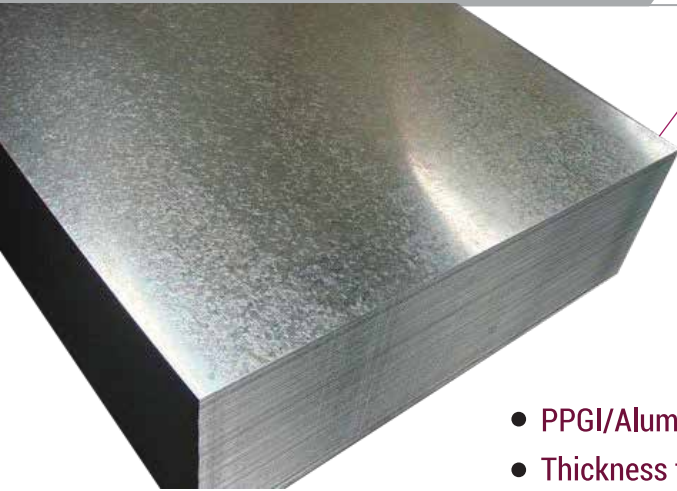
**ANCHOR BOLTS**



**FILLER BLOCK**



## COILS & PLATES



- PPGI/Aluminum/Alu-zinc
- Thickness from 0.32mm to 3mm
- Purlins coils from 1 mm to 3mm



## SEALENT / BUTYL TAPE

- 19M Meter Roll Thickness: 2.4mm Width: 9mm
- Good adhesion to a wide range of substrates.
- Good UV resistance.
- For sealing lap joints in roofing and cladding systems.
- For use as an air, dust or water seal compression joints & seams



## GRP RAW MATERIALS

- General Purpose Resin
- ISO Resin
- Vinyl ester Resin
- White & Clear Gel - coats
- Pigments
- Chopped Strand Mat

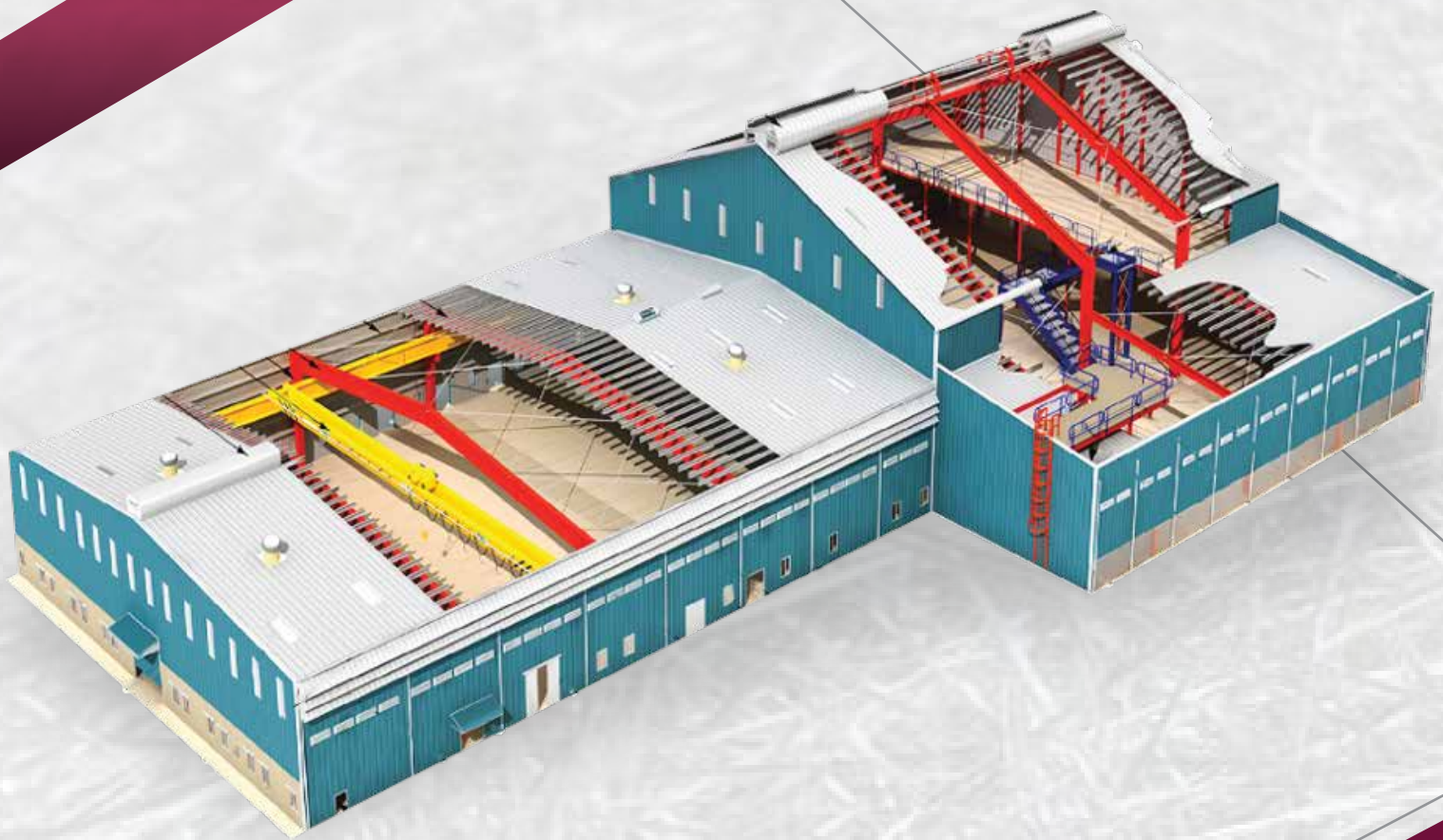


## PU CHEMICALS

- Polyol
- MDI
- PIR Chemicals







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