INDUSTRIES

الاول لصناعة الالياف الزجاجية ذ.م.م.

ALAWAL FIBER GLASS INDUSTRY L.L.C.

SKYLIGHT SHEETS • SOAKER PANELS

GUTTERS & DOWNSPOUTS

Skylight Sheets

Skylight Sheets

Skylight Sheets

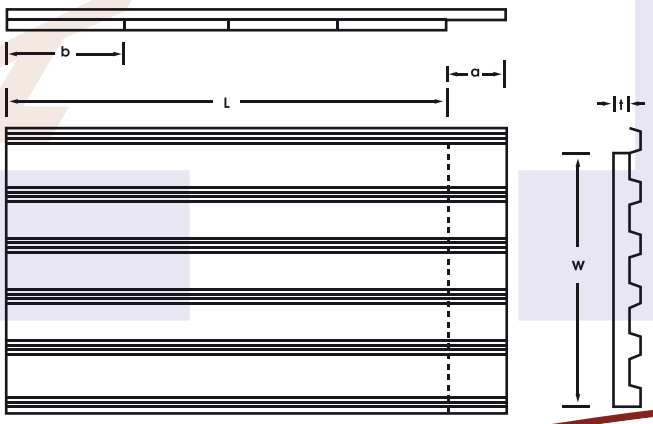
Introduction

Our skylight sheets panel are an ideal solution for virtually free lighting inside ware house, industrial sheds, or any enclosed buildings during daytime. Skylight can also have valuable applications in places such as restaurants, transportation centres and public areas to provide a sense of natural ambience. They are generally installed on roofs but can be fixed vertically along the walls too. Our Skylight sheets are manufactured by using U.V. stabilized clear thermosetting polyester resins.

Advantages

- It renders considerable savings on electricity bills during daytime
- Higher strength to weight ratio
- Easy to install
- Virtually maintenance free (occasional cleaning recommended)
- It renders considerable savings on electricity bills during daytime
- provides diffused light with maximum illumination
- Can be manufactured to suit any profile, shape or size
- High resistant to shattering unlike glass

GRP Double Skin Skylight



Product Data Sheet Skylight Sheets

Mechanical Properties

Tensile strength	85 N/mm^2
Flexural strength	140 N/mm^2
Impact strenght, P4J	75 mj/mm^2
Shear strenght	70 N/mm^2
Elastic Modulus	8000 N/mm^2
Flexural Modulus	6000 N/mm^2
Hardness (Barcol)	40

Thermal Properties

Co-efficient of linear expansion	26 X 1 0^{-6}/ °C
Thermal co-efficient (k)	0.16 W.mK
Operating temperature	-20^0c to $+85^0$ c

Physical Properties

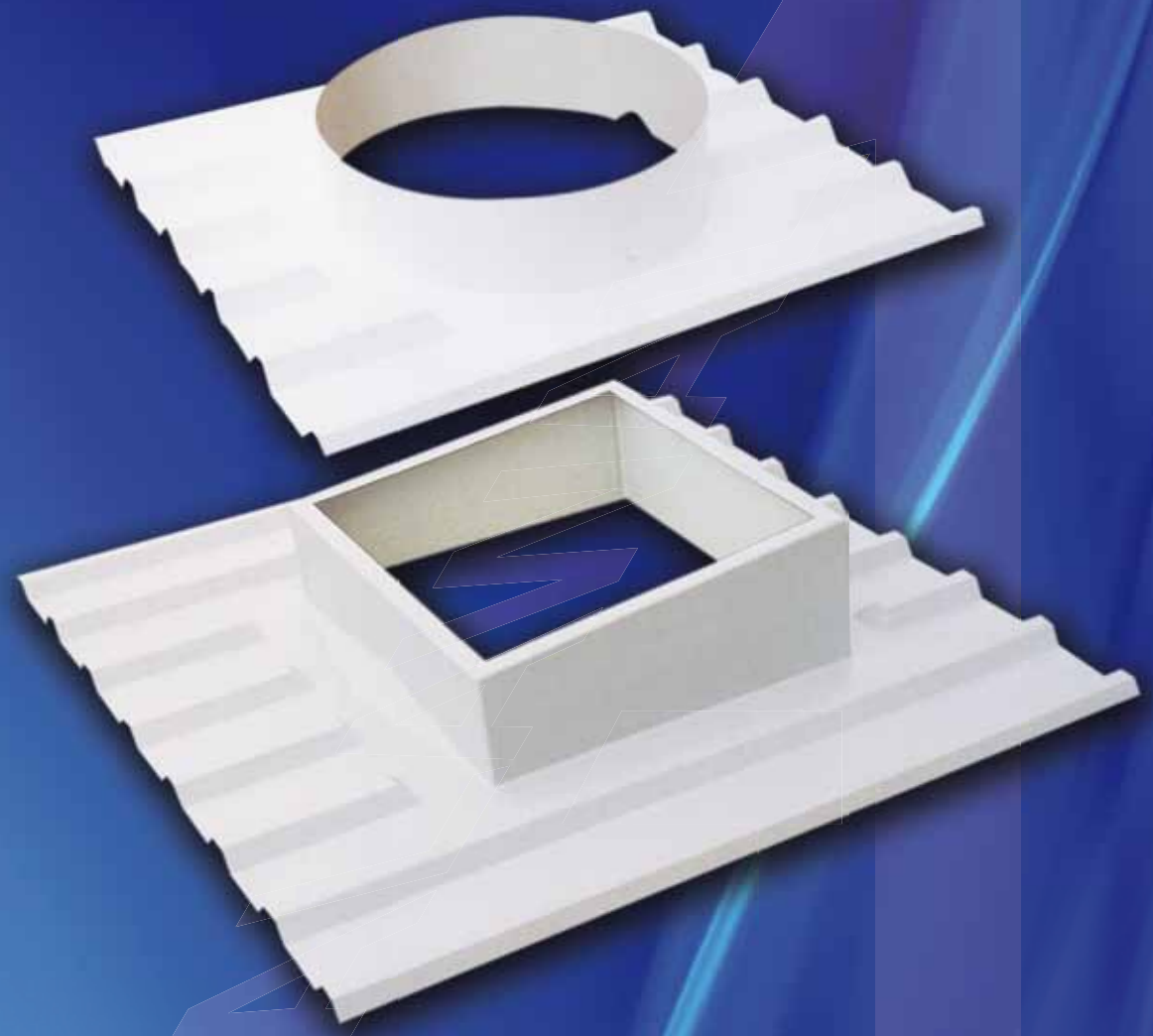
Light translucency	85 - 90 % (for 1 mm thick single skin)
Light diffusion	70 - 75 % (for normal double skin sheet)
Water absorption (7 days)	Moderately diffusing
Dimensional tolerance	31 mg. (BS 2782, Part 4: Method 430 A-83)
	Length :+- 5 mm
	Width : +- 10mm

PRECAUTIONS

Our normal skylight sheets (less than 4 mm thick) are not suitable for being walked or crawled over. (For foot traffic, sheets have to be specifically manufactured)

Sheets are to be stored in a covered and level surface with clean flat battens at both ends and intermediately placed at a maximum of 1 m pitch.

Soaker Panels



INDUSTRIES

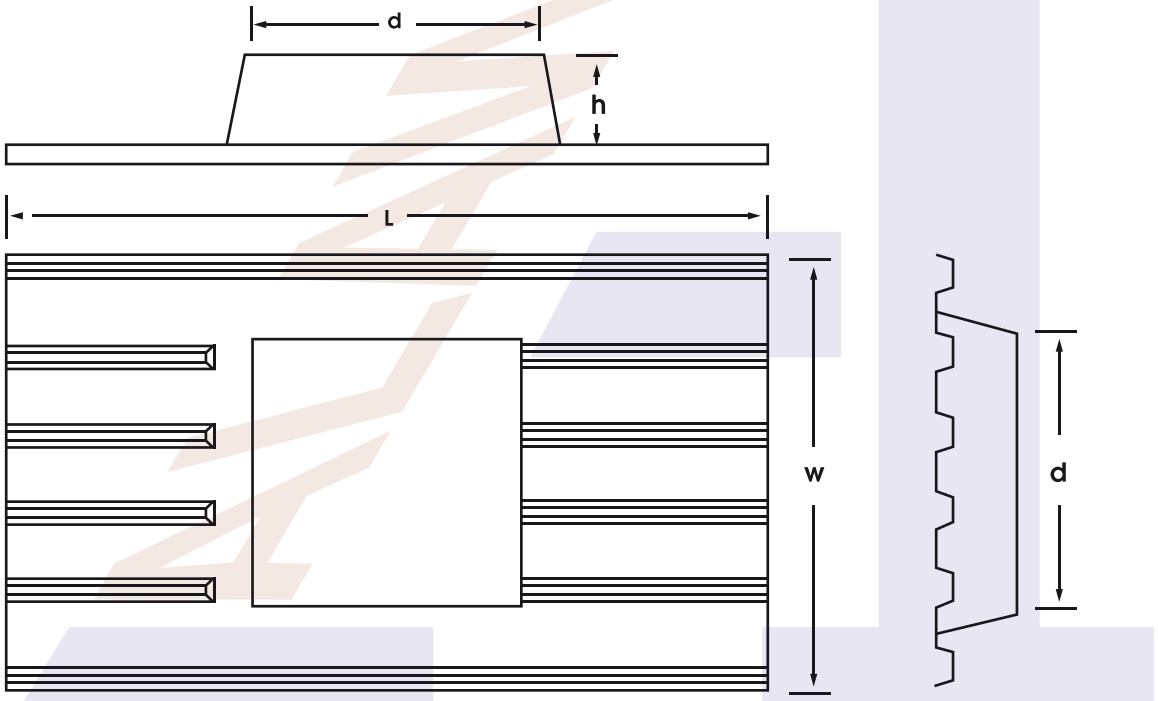
Soaker Panels

Soaker Panels

Introduction

Our soaker panels are manufactured by using U.V. estabilized gelcoats, thermosetting polyester resins and 'E' grade glassfibre mat of high quality, procured from ISO certified manufacturers. These soaker panels are technically the appropriate solution to provide a 100% leak proof connection between the normal roofing sheet & any projection above the roof surface due to extract fans, chimneys, columns etc. These are available in a wide range of standard dimensions with rectangular as well as circular openings. These can be manufactured to suit any profile & colour of roofing sheet. These have good thermal insulation and are suitable for the harsh climatic conditions of high temperature and humidity prevailing in the Middle East. These are being used in U.A.E. since 15 years and can be found installed in many prestigious projects.

GRP Soakers



Product Data Sheet Soaker Panels

Mechanical Properties

Tensile strength	85 N/mm^2
Flexural strength	140 N/mm^2
Impact strenght, P4J	75 mj/mm^2
Shear strenght	70 N/mm^2
Elastic Modulus	8000 N/mm^2
Flexural Modulus	6000 N/mm^2
Hardness (Barcol)	40

Thermal Properties

Co-efficient of linear expansion	26 X 1 0^{-6}/ °C
Thermal co-efficient (k)	0.16 W.mK
Operating temperature	-20^0c to $+85^0$ c

Physical Properties

Water absorption (7 days)	**31 mg.** (BS 2782, Part 4: Method 430 A-83)
Dimensional tolerance	Length :+- 5 mm Width : +- 10mm

PRECAUTIONS

Our normal soaker panels (less than 4 mm thick) are not suitable for being walked or crawled over. (For foot traffic, sheets have to be specifically manufactured)

The length of panel should be such that each end of panel must rest on the adjacent purlins & properly overlapped with adacent sheets for best result.

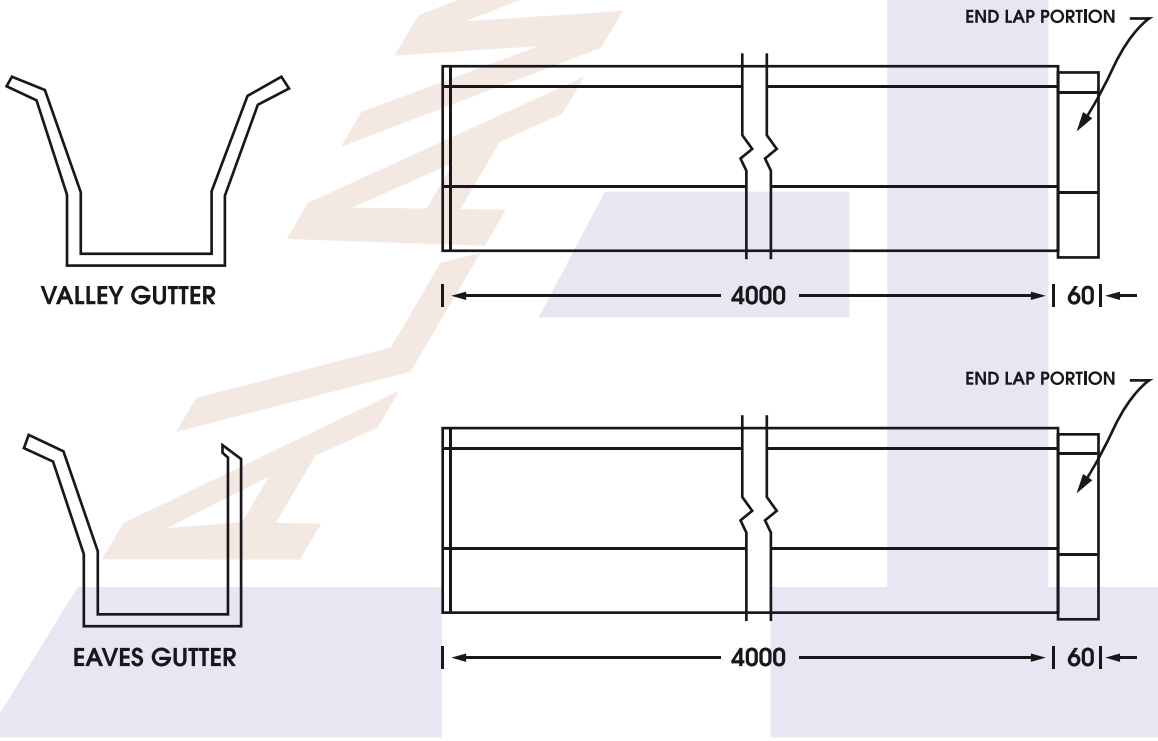
Gutters & Downspouts

Gutters & Downspouts

Introduction

Our gutters & downspouts are manufactured by using U.V. stabilized gelcoats, thermosetting polyester resins and 'E' grade glassfibre mat of high quality, procured from ISO certified manufacturers. These have good thermal insulation and are non absorbent to hydrocarbons and are suitable for the harsh climatic conditions of high temprature and humidity prevailing in the Middle East. These are being used in U.A.E. since 15 years and can be found installed in many presigious projects.

GRP Gutters



Product Data Sheet

Gutters & Downspouts

Mechanical Properties

Tensile strength	85 N/mm^2
Flexural strength	140 N/mm^2
Impact strenght, P4J	75 mj/mm^2
Shear strenght	70 N/mm^2
Elastic Modulus	8000 N/mm^2
Flexural Modulus	6000 N/mm^2
Hardness (Barcol)	40

Thermal Properties

Co-efficient of linear expansion	26 X 1 0^{-6}/ °C
Thermal co-efficient (k)	0.16 W.mK
Operating temperature	-20^0c to $+85^0$ c

Physical Properties

Water absorption (7 days)	**31 mg.** (BS 2782, Part 4: Method 430 A-83)
Dimensional tolerance	Length :+- 5 mm
Internal finish	Plain semi gloss UV resistant gelcoat finish to grey / white colour
External finish	Reasonably smooth flowcoat finish

PRECAUTIONS

Our normal skylight sheets (less than 4 mm thick) are not suitable for being walked or crawled over. (For foot traffic, sheets have to be specifically manufactured)

Downspouts with Strainer

Ridge Flashing

Eaves Flashing

متحرك: ٤٠٩٨٧٠٩ ٥٠ ٩٧١+، فاكس: ٦ ٥٤٣٤٢٧٥ ٩٧١+، ص.ب: ٣٠٦٦٨، عجمان - ا.ع.م.
Mob: +971 50 4098709, Fax : +971 6 5434275, P.O. Box : 30668, Ajman - U.A.E.
E-mail : alawalfrp@gmail.com