

# EZ GLAZE®-50-Data Sheet

## Profile: (36-600-673)

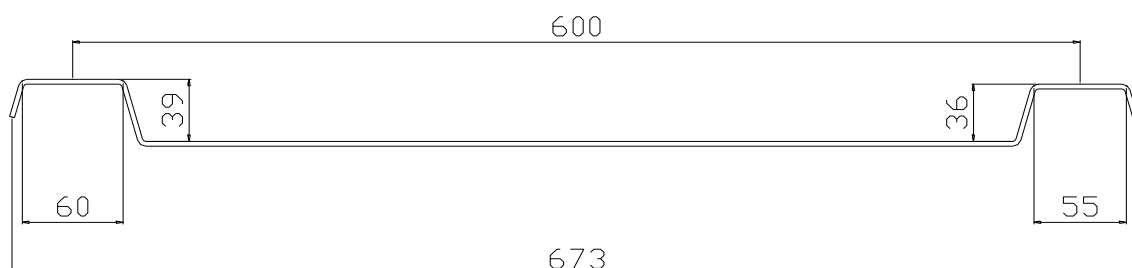


24/03/2022

### Product Description:

- SUNTUF Co-extruded UV protection on one side.
- SUNTUF UV2 Co-extruded UV protection on two sides.

### Profile drawing:



### General properties:

| Profile (mm) | Thickness (mm) | Length (m) | Overall width (mm) | Cover Width (mm) | Side-Lap ( % ) |
|--------------|----------------|------------|--------------------|------------------|----------------|
| 600/36       | 3.0            | 1.8 – 7.2  | 673                | 600              | 10             |

### Load / Span Data

| Maximum Roof Span (mm) |          |          |
|------------------------|----------|----------|
| Load (Kpa)             | 3.0 mm   |          |
|                        | End Span | Mid Span |
| 0.75                   | 1690     | 2250     |
| 1.0                    | 1540     | 2050     |
| 1.25                   | 1425     | 1900     |
| 1.50                   | 1350     | 1800     |
| 1.75                   | 1275     | 1700     |
| 2.0                    | 1240     | 1650     |

### \*The Suntuf EZ-GLAZE withstand the requested 400 KG/Kg

- The specified dimensions do not supersede the requirements of local construction codes.
- The given spans are according to deflections criterion of L/20, and minimum slope of 10%.
- The maximum roof spans are based on calculation model and practical testing.
- The mentioned load refers to wind and snow load only.
- For vertical application spans can be increased by 10%.

### Curved roof

- Minimum curving radius – 15 m.

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## Typical Properties

| Property                                                            | Standard   | Conditions | Unit              | Value                    |
|---------------------------------------------------------------------|------------|------------|-------------------|--------------------------|
| Density                                                             | ASTM D792  | -          | g/cm <sup>3</sup> | 1.2                      |
| Heat Deflection Temperature                                         | ASTM D648  | 1.82 MPa   | °C                | 130                      |
| Service Temperature (Short term)<br>Service Temperature (Long term) | -          | -          | °C                | -50 to 120<br>-50 to 100 |
| Coefficient of Linear Thermal Expansion                             | ASTM D696  | -          | cm/cm °C          | 6.5 X 10 <sup>-5</sup>   |
| Thermal Conductivity                                                | ASTM C177  | -          | W/mK              | 0.21                     |
| Tensile Strength at Yield                                           | ASTM D638  | 10 mm/min  | MPa               | 62                       |
| Tensile Strength at Break                                           | ASTM D638  | 10 mm/min  | MPa               | 65                       |
| Elongation at Yield                                                 | ASTM D638  | 10 mm/min  | %                 | 7                        |
| Elongation at Break                                                 | ASTM D638  | 10 mm/min  | %                 | >90                      |
| Tensile Modulus of Elasticity                                       | ASTM D638  | 10 mm/min  | MPa               | 2300                     |
| Flexural Strength                                                   | ASTM D790  | 1.3 mm/min | MPa               | 93                       |
| Flexural Modulus                                                    | ASTM D790  | 1.3 mm/min | MPa               | 2600                     |
| Impact Falling Weight (E-50)                                        | ISO 6603/1 | 3mm sheet  | J                 | 158                      |
| Rockwell Hardness                                                   | ASTM D785  |            | R Scale           | 125R                     |
| Light Transmission                                                  | ASTM D1003 | Clear      | %                 | 90                       |
| Haze                                                                | ASTM D1003 |            | %                 | <0.5                     |
| Yellowness Index                                                    | ASTM D1925 |            |                   | <1                       |

\*Please refer to Technical guide for more details.