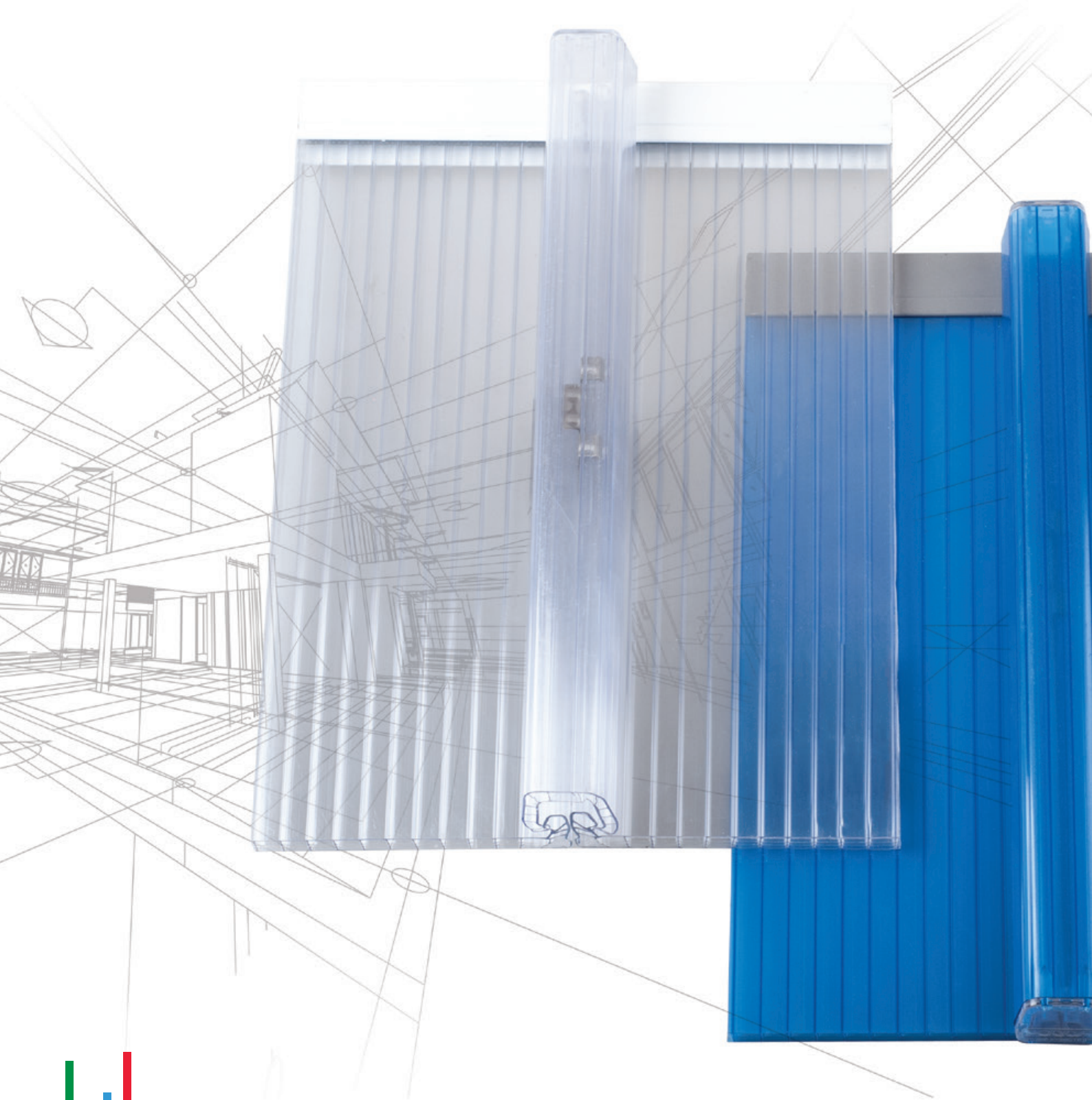


TOPGAL

MULTIWALL STANDING SEAM PANEL SYSTEM

MULTIWALL 





TOPGAL - MULTIWALL STANDING SEAM PANEL SYSTEM

DESCRIPTION

Topgal is a PC multi-wall standing seam panel system suitable for the roofing and coverage of many types of building.

Topgal's unique multi-wall structure, with its relatively low weight, enables the optimum light transmission and provides excellent thermal insulation.

Topgal standing-seam panel connections prevent water from collecting and penetrating into buildings and provide high structural strength and superior rigidity of the system in accordance with required standards.

The Topgal panel system includes all the necessary accessories for installation.

The system is easy to assemble on-site, provides positive and negative wind-load resistance.

Topgal polycarbonate panels are available in thicknesses of 6, 8, 10, 16 and 20 mm, and in two standard panel widths – 600 mm and 1000 mm.

PROPERTIES

The Topgal system manufactured by the Plazit-Polygal group is ideal for installation in public buildings, sports facilities, transportation hubs and the interior spaces and has following advantages

- Available in standard colors as well as special color layers that selectively reflect solar radiation
- Rigid structure provides strength under wind and snow loads
- Waterproof
- Standard Topgal panels can have UV protection on both sides or on tooth side, upon customer request
- Covered by 10 Year Warranty for color, light transmission and strength
- The system uses the technical support of professional designers and builders

TECHNICAL SPECIFICATIONS

| Product | Structure | Thickness (mm) | Weight (g/m ²) | Dead Load (mm) | Minimum Radius for Cold Bending Arches (m) | U-Factor* (W/m ² x °C) | Light Transmission (%)** | | |
|---------|---|----------------|----------------------------|----------------|--|-----------------------------------|--------------------------|-----|-----|
| | | | | | | | CLR | ICE | BRZ |
| Topgal |  | 6 | 600 | 2.0 | 1.2 | 3.1 | 65 | 20 | 30 |
| |  | 8 | 600 | 2.2 | 1.8 | 2.4 | 65 | 20 | 30 |
| |  | 10 | 600 | 2.5 | 2.0 | 2.1 | 65 | 20 | 30 |
| |  | 16 | 600 | 3.3 | 3.2 | 1.9 | 60 | 20 | 30 |
| |  | 16 | 1000 | 3.3 | 3.2 | 1.8 | 50 | 20 | 30 |
| |  | 20 | 1000 | 3.5 | 4.0 | 1.5 | 47 | 20 | 30 |

| * ASTM C177 TNO | ** ASTM D1003

Standard Sheet Length: 6/12 m. Other colors on request.

Service Temperature:

-40°C – 120°C for short time service

-40°C – 100°C over time the warranty of the product

Thermal Expansion: 2.5 mm/m for Clear, Ice, NGL, 4.5 mm/m for dark colors.

TOPGAL Installation Accessories

Topgal system is fully equipped with all the necessary components for quality and reliable coverage.

TOPGAL Installation Accessories

The panel system "Topgal" is fully equipped with all the necessary components for quality and reliable coverage. All component parts have passed a full cycle of tests for quality and compatability with polycarbonate.

| | Item | | Cat N° | | Description |
|----|-------------------------|---|---|--|-------------------------------------|
| 1 | Topgal Panel |  | | | Maximum panel length is 11.90m |
| 2 | PC Connector |  | #240 | | Length 12m Color: panels matched |
| 3 | Aluminum Connector |  | #360 | | Length 6m |
| 4 | Fastener |  | #530 (8 mm panels) #531 (10 mm panels) | #532 (16 mm panels) #533 (20 mm panels) | Stainless Steel |
| 5 | Stopper |  | #550 (8 mm panels) #551 (10 mm panels) | #552 (16 mm panels) #553 (20 mm panels) | Stainless Steel |
| 6 | Connector End Cap |  | #525 | | Polycarbonate, Color: clear |
| 7 | Aluminum Edge Profile |  | #311 (8 mm panels) #312 (10 mm panels) | #313 (16 mm panels) #328 (20 mm panels) | Length 6m |
| 8 | Fastener Screw |  | #431 (for metal structures) | | Philips self drilling #10 / 5/8" |
| | | | #436 (for wood structures) | | Philips #10 / 1" |
| 9 | PC Side Profile |  | #241 (8 mm panels) #242 (10 mm panels) | #243 (16 mm panels) #244 (20 mm panels) | Color: panels matched |
| 10 | Anti Dust Tape |  | #508 (8-10 mm panels) #509 (16 mm panels) #510 (20 mm panels) | | Roll length 33m |
| 11 | Aluminum Side Profile |  | #361 | | Length 6m |
| 12 | Aluminum Frame Profile |  | #364 (16 mm panels) | | Length 6m |
| 13 | Aluminum Rafter Profile |  | #366 (8 mm panels) | | Length 6m |
| 14 | Gap sealing foamed PE |  | #527 (8-10 mm panels) | | Length 1802 mm |
| | | | #526 (16-20 mm panels) | | Length 2000 mm |