Ascent™

Glass Windscreen System

Ascent, a post-supported glass windscreen designed for commercial exterior use, delivers unobstructed views while also diverting wind to create a more enjoyable environment and outdoor experience. Designed to withstand 80psf wind loads – eight times the amount of standard windscreens – Ascent is the ideal solution for protecting pools, outdoor dining areas and balconies. At a standard height of 6 ft., Trex Commercial Products’ Ascent Windscreen System provides extensive coverage for furniture and patrons; however, the product’s height is completely customizable.
Tech Specifications

Material: Mid/End: Aluminum 4” x 4 1/2” snap-fit posts with steel stanchions
Inside/Outside: Aluminum 4 1/2” x 4 1/2” snap-fit posts with steel stanchions
Finishes: Anodized, High Performance Coatings, Powder Coat, Kynar
Height: 6’ - Standard with up to 80 psf wind load (Custom Available)
Standard Post Spacing: 5’ On Center - Standard (Custom Available)
Mount Type: Top
Infill: 9/16” Laminated Glass (Custom Available)
ASTM STDS: A322-13 (Steel), B209/B221/B247/B429 (Aluminum), C1036/C1048 (Glass)
Ascent™ - Glass Windscreen System

Product Components

INSIDE CORNER CONDITION

OUTSIDE CORNER CONDITION

(2) FLAT HEAD SCREWS POST TOP CAP WITH PRE-DRILLED HOLES

SNAP-FIT SYSTEM ALUMINUM SLIDE-ON POST END CAP INSERT (AT END POSTS ONLY)

ALUMINUM POST PRE-DRILLED HOLES TO SECURE HEX DRIVE SET SCREWS INTO STEEL STANCHION

PRESSURE PLATE PRE-DRILLED HOLES TO SECURE TO ALUMINUM POST

SNAP-FIT ALUMINUM COVER

STEEL STANCHION

ALUMINUM SETTING BLOCK INCLUDES NEOPRENE SPACER

FLAT HEAD SCREW FASTENS ALUMINUM SETTING BLOCK TO ALUMINUM POST

SET SCREW FASTENED TO ALUMINUM SLIDE-ON POST VIA PRE-DRILLED HOLES TO SECURE TO STEEL STANCHION

DROP SIDE OF SNAP-FIT SYSTEM ALUMINUM SLIDE-ON POST - POST COMPONENT INCLUDES GASKET AND VHB TAPE PRE-INSTALLED

SET SCREW AND SETTING BLOCK ATTACHMENT DETAIL
Ascent™ - Glass Windscreen System

**Windscreen Snap Fit System**

**End Post Detail**

- **Steel Stanchion**
- **ALUMINUM TOP CAP ATTACHED TO POST W/ SCREWS**
- **ALUMINUM SNAP-FIT POST SYSTEM**
- **1/2" LAMINATED GLASS**
- **GLASS RESTS ON 3/4" x 3/4" ALUMINUM BLOCK W/ 1/16" NEOPRENE SPACER**
- **STEEL STANCHION SECURED W/ FIELD WELD TO EMBEDDED STRUCTURE - OR - CORED INTO CONCRETE - OR - WELDED TO BASEPLATE W/ BASEPLATE ATTACHED TO CONCRETE**

**Mid Post Detail**

- **Steel Stanchion**
- **PREINSTALLED GLAZING TAPE**
- **GASKETS (PREINSTALLED)**
- **ALU. SETTING BLOCK W/ NEOPRENE SETTING BLOCK (PREINSTALLED)**
- **SNAP FIT COVER (NO VISIBLE FASTENERS)**
- **SET SCREWS TIGHTENED AGAINST STANCHION (2X BOTH SIDES)**

**Inside Corner Detail**

- **Steel Stanchion**
- **PREINSTALLED GLAZING TAPE**
- **ALU. SETTING BLOCK W/ NEOPRENE SETTING BLOCK (PREINSTALLED)**
- **SET SCREWS TIGHTENED AGAINST STANCHION (2X BOTH SIDES)**
- **GASKETS (PREINSTALLED)**
- **FLAT HEAD SCREWS**
- **WALKING SIDE**
- **SNAP FIT COVER (NO VISIBLE FASTENERS)**

**Outside Corner Detail**

- **Steel Stanchion**
- **FLAT HEAD SCREWS**
- **PREINSTALLED GLAZING TAPE**
- **GASKETS (PREINSTALLED)**
- **ALU. SETTING BLOCK W/ NEOPRENE SETTING BLOCK (PREINSTALLED)**
- **SET SCREWS TIGHTENED AGAINST STANCHION (2X BOTH SIDES)**
- **WALKING SIDE**
- **SNAP FIT COVER (NO VISIBLE FASTENERS)**