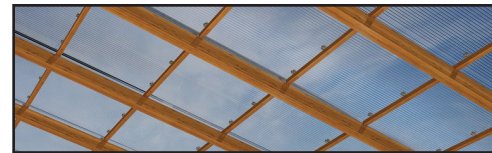


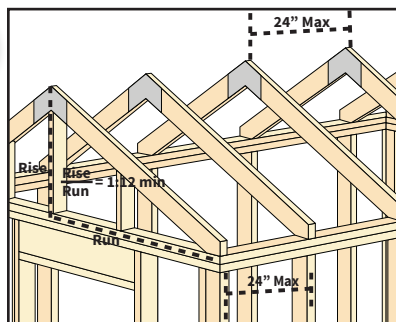
# TUFTEX® Multi-Wall

## 6mm 48"x96" Installation Instructions



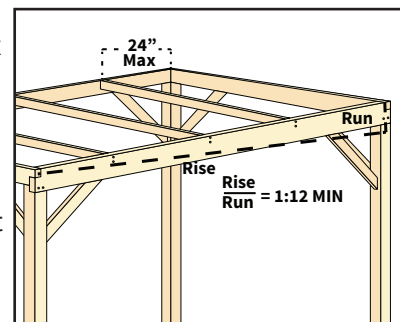
### Preparing for Your Project

Ensure your structure has the appropriate spacing and slope to support TUFTEX® Multi-Wall panels and allow for proper drainage.



Spacing : 24" OC Max  
Slope: 1:12 (5 °)

Open channels (flutes) in panel must run vertically when applied outside.



**Always refer to local building code before starting any project**

### Tools Required



**TAPE MEASURE**



**DRILL**  
9/32" DRILL BIT  
1/4" HEX DRIVER



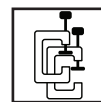
**CIRCULAR SAW**  
(80+TOOTH BLADE)  
PLASTIC CUTTING BLADE



**MARKER**



**EYE PROTECTION**



**C-CLAMPS**

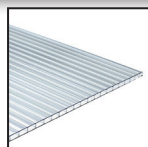


**100% SILICONE SEALANT (OPTIONAL)**



**JIG-SAW (OPTIONAL)**

### Estimating Material



**TUFTEX® MULTI-WALL PANEL**  
Length: 96"  
Width: 48"  
Coverage: 32 sqft

\* Install with flutes vertically if applying outside



**TUFTEX® U-CHANNEL PROFILE**  
Seals top and bottom of panels  
Length: 96"

Estimate: Ridge + Eave length in feet divided by 8 = pcs needed



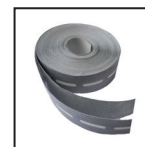
**TUFTEX® H-CHANNEL PROFILE**  
Joins two panels side by side  
Length: 96"

Estimate: Joint length divided by 8 = pcs needed



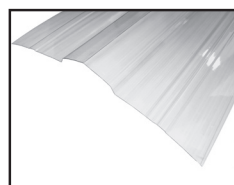
**TUFTEX® 2" FASTENERS**  
Head: 1/4" Hex  
Estimate: 16 fasteners/panel

\* Predrill panels  
\* Do not fasten on profiles



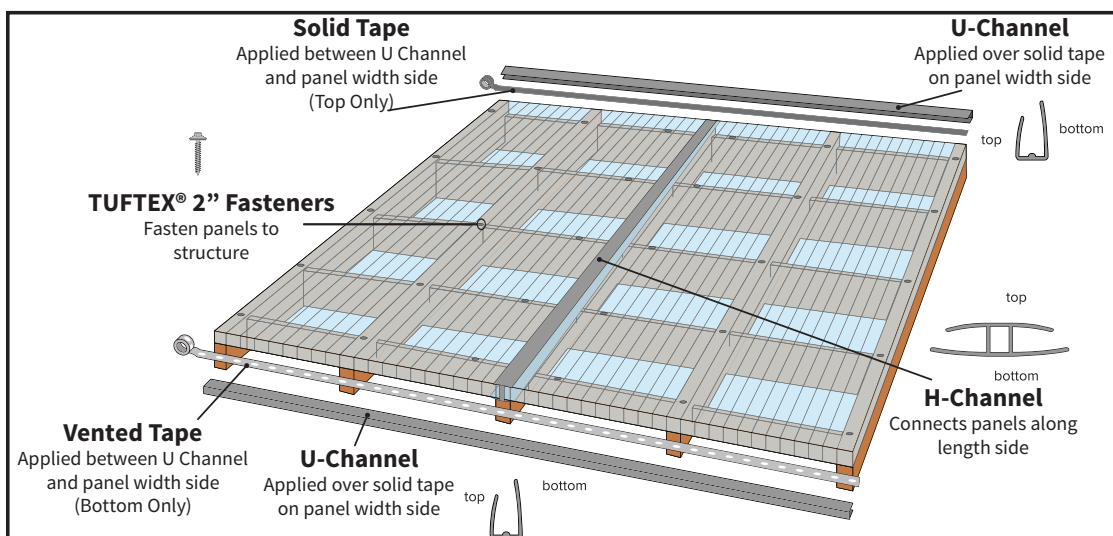
**TUFTEX® ANTI-DUST TAPE**  
Length: 32 feet

Solid - apply to top of panel  
Vented - apply to bottom of panel  
\* Each roll has both vented and solid tape



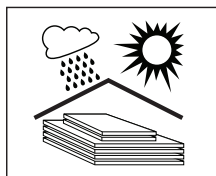
**TUFTEX® UNIVERSAL RIDGE**  
Length: 51"  
Width: 18"  
Coverage: 4 Linear feet

For use on roofing application



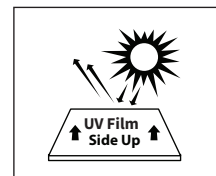
\* Panels have polyethylene film applied to both sides to prevent scratches. One side is marked as UV protected and should face outward. DO NOT fully remove these films until project is complete.

### Storing Panels



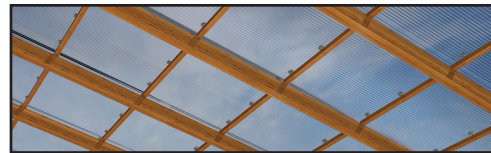
Keep panels protected from direct sunlight and moisture when stored.

When working on project, be sure sheets are positioned with UV film side upwards.



# TUFTEX® Multi-Wall

## 6mm 48"x96" Installation Instructions

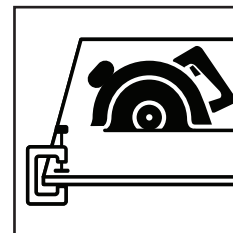


### Cutting Panels



Always wear appropriate protective equipment and follow manufactures' directions when operating power equipment or any other tool

- **Keep the polyethylene film on while making cuts to the sheets**
- Sheets should **always** be clamped down firmly to reduce vibration
- Rounded/curved cuts are best made with a band saw, or jigsaw
- Cut with a fine-toothed table saw or circular saw (80+ teeth) with a double sided and certified for plastic cutting blade
- **Clean the dust from the flutes using an air compressor or vacuum**
- **Cuts should be done at a high RPM moving slowly down or across the sheet**

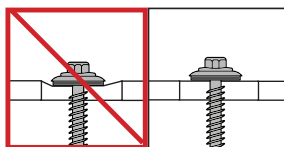
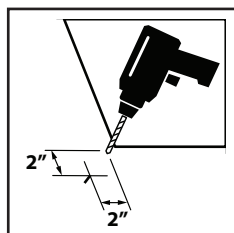
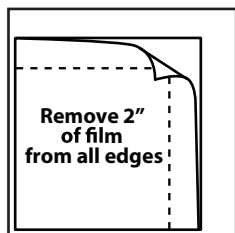


### Installing Panels

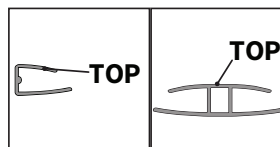


Always wear appropriate protective equipment and follow manufactures' directions when operating power equipment or any other tool

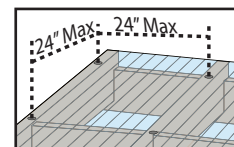
**Ensure the side of the TUFTEX Multi-Wall Panel with the UV protection mark is faced outward. DO NOT REMOVE FILM UNTIL PROJECT IS COMPLETE.**



**DO NOT OVER TIGHTEN FASTENERS**



**Top of profiles must face outward**



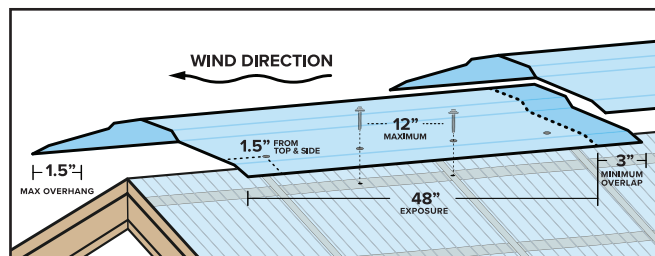
**24" Maximum Fastener spacing**

- **Remove 2" of film from all edges to apply tape and connect profiles**
- Pre-drill all fasteners holes 1/16" larger than fastener - use 9/32" bit if using TUFTEX® 2" Fasteners
- Apply tape to ends of panels and slide on U-Channel profiles - **TOP SIDE FACING OUTWARD**
- **DO NOT** over tighten fasteners
- Fasten no more than 2" from edge of panel. No more than 24" between fasteners
- Maximum overhang is 3"
- System does not need sealant, but 100% silicone sealant may be applied to inside of H or U channel profiles
- 100% silicone sealant may be used to seal flashing along side walls
- Polycarbonate and silicone contract and expand at different rates and may cause complications when sealing

### Installing Ridge



- Align TUFTEX Universal Ridge piece with ridge of structure. Pre-Drill Fastener holes in both the Ridge piece and the Multi-Wall panel
- Ensure fastening aligns with support structure. **DO NOT FASTEN RIDGE TO PANELS ONLY**
- Pre-drill all fasteners holes 1/16" larger than fastener - use 9/32" bit if using TUFTEX® 2" Fasteners
- Position fasteners no more than 1.5" from edge of ridge panel
- **DO NOT** over tighten fasteners
- Fasten no more than 2" from edge of panel
- No more than 12" between fasteners
- Maximum overhang is 1.5"
- Minimum overlap of TUFTEX Universal Ridge pieces is 3"



### Care & Maintenance

**The use of harsh tools or certain chemicals could cause abrasions to the surface of polycarbonate sheets**

- Apply warm water to the surface of the polycarbonate
- Wipe with any soft cloth, and warm soapy water
- Rinse off and use paper towels or any soft cloth to dry the sheet off.

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