

# ShaliTPO

Thermoplastic Polyolefin Single-Ply Membrane



STP Limited

## Description

**ShaliTPO** is a thermoplastic polyolefin roofing membrane with an excellent impermeability to water and moisture, flexibility and long durability. **ShaliTPO** has also high UV resistance and high solar reflection keeping the roof cool. **ShaliTPO** is available in 45 mil, 60 mil and in other higher thicknesses also. It is available in wide width of 4', 5', 8' and 10' and length of 100 ft. ShaliTPO is also offered with fleeceback.

## Characteristics

	45 mil	60 mil
Nominal Thickness, mm	1.2 ± 10%	1.5 ± 10%
Breaking Strength, lbf / inch	320	360
Tearing Strength, lbf / inch	55	75
Elongation at Break, % for fabric	20	30
Cold Flexibility, °C	- 40	- 40
Water Absorption, %	1.0	0.7
Puncture Resistance, xlb / inch	240	380
Ozone Resistance	No visible deterioration	

## Application

For Waterproofing on Metal , Wooden and RCC terraces of any shape.

## Advantages

- Easy to handle and install
- Easily repairable
- Excellent Impermeability to water ingress
- Efficient hot air welded seam
- U V Resistance
- Cool Roof due to high solar reflection

## Application Methodology

- Remove all loose gravels, dirt, oil, grease and other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application.
- PCC / cementitious coving of 75 mm radius shall be provided at all junction between vertical and horizontal faces.
- Lay ShaliGeoText 300 gms loosely as a base layer with an overlap of 50 mm.
- Lay **ShaliTPO** of desired thickness and fix it mechanically with anchor of suitable size and adequate number depending on the air velocity in the respective areas.
- Provide overlap joints of 75 mm in both longitudinal and transverse direction of the **ShaliTPO** and sealed properly with hot air welding only.
- Terminate **ShaliTPO** at the top of parapet wall with termination strip and fix it by screw at 300 mm c/c.
- All termination strip shall be sealed with water lock sealant a back and ShaliSeal PU on top.

## Health & Safety

- Use hand gloves and goggles during application.
- Clean hand with soap water after application.

## Packing

Shall be supplied in 20 ft or 40 ft container with a width of 10 ft either in palletised or in loose load

45 mil				60 mil			
Palletized		Loose Load		Palletized		Loose Load	
Rolls	Sqf	Rolls	Sqf	Rolls	Sqf	Rolls	Sqf
<b>For 20 ft Container</b>							
37	37,000	51	51,000	38	38,000	43	43,000
<b>For 40 ft Container</b>							
111	1,11,000	153	1,53,000	114	1,14,000	129	1,29,000

## Storage

Store rolls horizontally on pallets or shelving in a dry area under shed at ambient temperature and away from source of ignition



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