

# ShaliBond® TPE

2K Thixotropic Epoxy Adhesive



STP Limited

## Description

**ShaliBond® TPE** adhesive is two components epoxy adhesive for Thermoplastic Elastomeric Olefin (TPE) based tape. **ShaliBond® TPE** specially developed for high mechanical bond strength with special type of selected filler and additives. **ShaliBond® TPE** has excellent thixotropic behavior which helps during its application on the surface. **ShaliBond® TPE** inherent surface wetting character which gives superior bond strength between two adhering substrate.

## Characteristics

Pot Life @27 °C, 55%RH, 100g, Minutes	45 - 50	Peel Strength (TPE to Concrete) After 7 Days,	4
Theoretical Coverage Rate (for both adhering substrates) *	800 g / m <sup>2</sup> each adhering substrate to get 500 micron film thickness on each surface	Mixing Ratio (w/w)	3 : 1
		Application Temperature, °C	10 - 50
		Volume Solid, %	100
		Temperature resistant, °C	70
Initial setting Time, @27 °C, 55%RH, Hours	4 - 5	Pull Off Strength between (TPE tape and concrete) After 7 Days, MPa	15
Color/Appearance	Viscous Grey Viscous White	Specific Gravity @ 27 °C	
• Comp A		• Comp A	1.72 ± 0.02
• Comp B		• Comp B	1.35 ± 0.02

\* Depending on surface condition.

## Application

**ShaliBond® TPE** epoxy adhesive is a 2K adhesive for thermoplastic elastomeric olefin tape.

## Advantages

- Easy to apply on vertical surface without dipping
- Good Workable time.
- Adheres to substrate and provides superior strength.
- Excellent surface wetting leads to better bonding with the substrate.

## Application Methodology

- Ensure that surface is thoroughly cleaned and dried. All dirt, scales, oil, grease and foreign particles must be removed.
- Do not use **ShaliBond® TPE** on wet and damp surface. Concrete surface should be minimum 28 days old
- Ensure smooth surface profile for better bonding.
- Apply ShaliPrime 2E on cured surface and allow it to dry.
- Mix Component B into Component A (**Not reverse**) and stir by using speed drill mixer with a spiral type blade with a minimum speed of 400-600 rpm till homogeneous thixotropic paste (grey color) is obtained. Do not use partial Component A or B to avoid error in mixing ratio which leads incorrect hardening of the material.
- Apply **ShaliBond® TPE** by trowel or spatula on prime surface.

## Cleaning & Maintenance

- Clean all tools immediately after use with Xylene. Do not allow the material to harden.

## Health & Safety

- The product should not come in contact with the skin and eyes, or be swallowed.
- Ensure adequate ventilation and avoid inhalation of vapours.
- Wear suitable protective clothing, gloves and eye protection.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately - **do not** induce vomiting.

## Packing

Available in 6 & 30 kg unit pack.

## Storage

Store in a cool dry place, under shade, away from heat.

## Shelf Life

12 months in original unopened sealed condition.



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