

# Thermal / Acoustical Solutions TPO Flooring



## Description:

- TPO flooring with ability to achieve high quality grain capture
- Fully laminated and molded nonwoven under-carpet pad
- Compression molded and vac-formed in a single shot tool
- Ultra-low weight
- High toughness, abrasion & mar resistant surface
- Low gloss ((typically less than 2.0 GU)
- Color matched/appearance approval feasible for unique colors
- True carpet system – flooring clips, EPP crash pads, etc...
- Ability to insert custom grained plates in mold tool



## Applications:

- Cargo/Euro Vans
- Truck flooring (Passenger, Class 6, 7, & 8)
- Taxi cab flooring



## Features and Advantages:

- Excellent fit to sheet metal – no wrinkles or waviness
- Excellent “bight” into mating components for tight fit
- Proven durability in heavy-duty truck applications
- Reduced Weight
- Improved feel/comfort underfoot
- Styling possibilities are nearly unlimited
- Reduced Tooling Complexity



## Range and Capabilities:

- Molded Fiber Pad
  - 3mm to 25mm thickness capable
  - 900gsm to 1500gsm
- TPO Layer
  - 1.4mm to 3.5mm thickness, typical
  - Sp. Gravity = 0.97g/cc
- Minimum Radius = 0.5mm
- Minimum Draft Angle @ <10mm draw depth = 3 degrees
- Minimum Draft Angle @ <50mm draw depth = 10 degrees
- Hole size tolerance = +/- 2mm
- Surface profile tolerance = 8mm
- Trim tolerance = +/-3mm
- Recommended interference fit of 0.5mm to 1.5mm
- Compression thickness target of 5.0mm around floor-mat clips
- EPP foam crash-pads to be affixed with hot melt adhesive



# Thermal / Acoustical Solutions TPO Flooring

