

		<b>Duro-TECH™ Membrane Adhered Over Structural or Lightweight Structural Concrete</b>		<b>Warranty Term</b> <b>15, 20 and 25 Years</b> <b>Up to 54 mph (86.9 km/h)</b>	
				<ul style="list-style-type: none"><li>• Duro-TECH™ TPO membranes – adhered</li><li>• Cover board (when required) – adhered or mechanically fastened</li><li>• Insulation (when required) – adhered or mechanically fastened</li><li>• Structural or lightweight structural concrete 2,500 psi min. (17.2 MPa)</li></ul>	
Refer to the Duro-TECH Specifications, Guides, and Details at <a href="http://www.duro-last.com">www.duro-last.com</a>					
All Products		Must be purchased or approved by Duro-Last®.			
Deck Requirements		<input type="radio"/> Structural concrete <input type="radio"/> Lightweight structural concrete			
Construction Types		Any wet or damaged materials must be removed prior to installation. <input type="radio"/> New construction <input type="radio"/> Partial tear-off <input type="radio"/> Complete tear-off <input type="radio"/> Re-cover with a new-fastened layer <input type="radio"/> Re-cover adhered directly over BUR or mod bit – <b>fleece only</b>			
Vapor Barriers		Consult with a design professional to determine requirements of vapor barriers. <input type="radio"/> Duro-Last Vapor Barrier <input type="radio"/> Duro-Last Torch-Down Vapor Barrier			
Warranty Term by Membrane Thickness		<input type="radio"/> 15-year warranty – 45 mil (1.14 mm) <input type="radio"/> 20-year warranty – 60 mil (1.52 mm) <input type="radio"/> 25-year warranty – 80 mil (2.03 mm) ( <b>only metal plates allowed</b> )			
Membrane Options		<input type="radio"/> Duro-TECH TPO 45, 60, 80 mil <input type="radio"/> Duro-TECH TPO Fleece 100, 115, 135 mil (2.54, 2.92, 3.43 mm)			
Non-Fleece Membrane Adhesives		<input type="radio"/> TECH-Bond™ TPO Bonding Adhesive (two-sided application) <input type="radio"/> TECH-Bond TPO LVOC Bonding Adhesive (two-sided application) <input type="radio"/> TECH-Bond TPO Spray Adhesive (two-sided application)			
Fleece Membrane Adhesives		<input type="radio"/> Duro-Grip® CRA Membrane Adhesive (CR-20) (spatter pattern) <input type="radio"/> TRUFAST® Roofing Adhesive (spatter pattern) <input type="radio"/> Duro-Grip OlyBond500® Canister (spatter pattern)			
Insulation and Cover Board Fasteners		Minimum 1-inch (25-mm) penetration and pre-drilled 1/2 inch (13 mm) deeper than required depth. Do not spall the concrete. Pullout value: min. 250 lbf (1,112.1 N) <input type="radio"/> Concrete Nail #14 <input type="radio"/> Concrete Screw #14 <input type="radio"/> HD Screw #14 <input type="radio"/> EHD Screw #15			
Insulation and Cover Board Plates		<input type="radio"/> 3-Inch Metal Plates <input type="radio"/> Cleat Plates®			
Insulation and Cover Board Adhesives		Seams may be taped if needed <input type="radio"/> Duro-Grip CRA (CR-20) <input type="radio"/> Duro-Grip OlyBond500 <input type="radio"/> TRUFAST Roofing Adhesive <input type="radio"/> Duro-Grip INSTA STIK™ <input type="radio"/> Duro-Grip Millennium PG-1 Pump Grade <input type="radio"/> Duro-Grip Millennium One Step			
Insulation Adhesive Attachment		Duro-Guard® ISO II, III, ISO HD, and ISO HD Composite must be 4 x 4 ft (1.2 x 1.2 m) max. Bead spacing – inch (mm): <input type="radio"/> Field – 12 (305) <input type="radio"/> Perimeters – 6 (152) <input type="radio"/> Corners – 6 (152)			
Seaming Requirement		1-1/2-inch (40-mm) continuous weld using a hand-held welder with a silicone roller or an automatic welder.			
Increased Wind Speed		Must be reviewed by the Duro-Last Engineering Services Department. <input type="radio"/> Wind speed coverage exceeding 54 mph (86.9 km/h)			
Code Requirements		Local code must be met. Some code agencies may require special design considerations. Contact the Duro-Last Engineering Services Department for assistance.			
Fire Ratings		Fire ratings may require certain slip sheets, insulations, or gypsum-based cover boards.			
Minimum Thickness		Substrate Material	Minimum Fasteners		
Inches	mm		Field		Perimeter
1-1/2	38		10 per 4 x 8 ft (1.2 x 2.4 m)	16 per 4 x 8 ft (1.2 x 2.4 m)	
1/2	13				
2	51				
1/4	6				
7/8	22				
1/4	6				
1/4	6				
NOTE: Buildings over 40 ft (12.2 m) tall or in high wind zones may require additional fastening. Request a Wind Calc from Engineering to confirm attachment patterns.					

## DISCLAIMER

This document is meant as a quick reference and may not include details necessary for project completion. Refer to the full Duro-TECH TPO specifications or contact the Duro-Last Engineering Services Department for additional details.