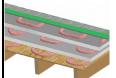


## Duro-Tech™ TPO Membrane Adhered Over Wood

Warranty Term 15, 20 and 25 Years Up to 54 mph (86.9 km/h)





- Duro-Tech™ PVC membranes adhered
- Cover board (when required) adhered or mechanically fastened
- Insulation (when required) adhered or mechanically fastened
- Wood

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	Refer to the D	Ouro-Tech Technical Specifications, Guides, an	d Details at <u>www.duro</u> -	·last.com
All Products		Must be purchased or approved by Duro-Last®.		
Deck Requirer	nents	○ Plywood ○ Wood plank ○ OSB		
Construction Types		Any wet or damaged materials must be removed and replaced prior to installation  o New construction  o Partial tear-off  o Re-cover with new-fastened layer  o Re-cover adhered directly over BUR or mod bit – fleece only		
Vapor Barriers		Consult with a design professional to determine requirements of vapor barriers.  o Duro-Last Vapor Barrier  o Duro-Last Torch-Down Vapor Barrier		
Warranty Term by Membrane Thickness		○ 15-year warranty – 45 mil (1.14 mm) ○ 20-year warranty – 60 mil (1.52 mm) ○ 25-year warranty – 80 mil (2.03mm)		
Membrane Options		○ Duro-Tech TPO 45, 60, 80 mil ○ Duro-TECH TPO Fleece 100, 115, 135 mil (2.54, 2.92, 3.43 mm)		
Non-Fleece Membrane Adhesives		<ul> <li>Tech-Bond™ TPO Bonding Adhesive (two-sided application)</li> <li>Tech-Bond TPO LVOC Bonding Adhesive (two-sided application)</li> <li>Tech-Bond TPO Spray Adhesive (two-sided application)</li> </ul>		
Fleece Membrane Adhesives		<ul> <li>Duro-Grip® CRA Membrane Adhesive (CR-20) (spatter pattern)</li> <li>TRUFAST® Roofing Adhesive (spatter pattern)</li> <li>Duro-Grip OlyBond500® Canister (spatter pattern)</li> </ul>		
Insulation and Cover Board Adhesives		Seams may be taped if needed.  ○ Duro-Grip CRA (CR-20)  ○ Duro-Grip OlyBond500  ○ TRUFAST Roofing Adhesive  ○ Duro-Grip INSTA STIK™  ○ Duro-Grip Millennium PG-1 Pump Grade  ○ Duro-Grip Millennium One Step		
Insulation and Cover Board Adhesive Attachment		Duro-Guard <sup>®</sup> ISO II, III, ISO HD, and ISO HD Composite must be 4 x 4 ft (1.2 x 1.2 m) max.  Bead spacing − in. (mm): ○ Field − 12 (305) ○ Perimeters − 6 (152) ○ Corners − 6 (152)		
Insulation and Cover Board Fasteners Pullout value: min. 250 lbf (1,112.1 N)		Minimum 1-inch (25-mm) penetration.  ○ HD Screw #14 ○ EHD Screw #15		
Insulation and Cover Board Plates		∘ 3-Inch Metal Plates ∘ Cleat Plates®		
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.  o 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	Substiate Material	Field	Perimeter
1-1/2	38	Duro-Guard ISO II or ISO III		
1/2	13	Duro-Guard ISO HD		
2	51	Duro-Guard ISO HD Composite		
1/4	6	Duro-Guard DEXcell FA® Glass Mat		16 per 4 x 8 ft
7/8	22	Duro-Guard DEXcell® Cement	(1.2 x 2.4 m) (1.2 x 2.4 m)	
1/4	6	Duro-Guard DensDeck® Prime		
1/4	6	Duro-Guard Securock® Gypsum-Fiber		
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## **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.

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.