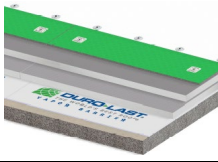


**Warranty Term**  
15, 20 and 25 Years  
Up to 54 mph (86.9 km/h)



- Duro-TECH™ TPO membranes – mechanically fastened
- Cover board (when required) – mechanically fastened
- Insulation (when required) – mechanically fastened
- Structural or lightweight structural concrete 2,500 psi (17.2 MPa)

<b>All Products</b>	Must be purchased or approved by Duro-Last®.		
<b>Deck Requirements</b>	<ul style="list-style-type: none"> <li>Structural concrete</li> <li>Lightweight structural concrete</li> </ul>		
<b>Construction Types</b>	Any wet or damaged materials must be removed prior to installation. <ul style="list-style-type: none"> <li>New construction</li> <li>Re-cover</li> <li>Partial tear-off</li> <li>Complete tear-off</li> </ul>		
<b>Vapor Barriers</b>	Consult with a design professional to determine requirements of vapor barriers. <ul style="list-style-type: none"> <li>Duro-Last Vapor Barrier</li> <li>Duro-Last Torch-Down Vapor Barrier</li> <li>Duro-Blue® with taped seams</li> </ul>		
<b>Warranty Term by Membrane Thickness</b>	<ul style="list-style-type: none"> <li>15-year warranty – 45 mil (1.14 mm)</li> <li>20-year warranty – 60 mil (1.52 mm)</li> <li>25-year warranty – 80 mil (2.03 mm) (only metal plates required)</li> </ul>		
<b>Membrane Options</b>	<ul style="list-style-type: none"> <li>Duro-TECH TPO 45, 60, 80 mil</li> </ul>		
<b>Membrane, Insulation, and Cover Board Fasteners</b>	Minimum 1-inch (25-mm) penetration and pre-drilled 1/2 inch (13 mm) deeper than required depth. Do not spall the concrete. <ul style="list-style-type: none"> <li>Concrete Nail #14</li> <li>Concrete Screw #14</li> <li>HD Screw #14</li> <li>EHD Screw #15</li> </ul>		
<b>Membrane Plates</b>	<ul style="list-style-type: none"> <li>Cleat Plates®</li> <li>Duro-TECH TPO Induction weld plates</li> <li>Duro-TECH TPO HD Seam Plate</li> <li>Poly-Plates (not recommended over hard boards)</li> </ul> <b>New concrete requires only metal plates.</b>		
<b>Cover Board Plates</b>	<ul style="list-style-type: none"> <li>3-Inch Metal Plates</li> <li>Duro-TECH TPO Induction weld plates</li> <li>Cleat Plates</li> <li>Poly-Plates (not recommended)</li> <li>Duro-TECH TPO HD Seam Plate</li> </ul> <b>New concrete requires only metal plates.</b>		
<b>Insulation Plates</b>	<ul style="list-style-type: none"> <li>Insulation Plates</li> <li>3-Inch Metal Plates</li> <li>Cleat Plates</li> <li>Poly-Plates</li> <li>Duro-TECH TPO Induction weld plates</li> <li>Duro-TECH TPO HD Seam Plate</li> </ul> <b>New concrete requires only metal plates.</b>		
<b>Seaming Requirement</b>	1-1/2-inch (40-mm) continuous weld using a hand-held welder with a silicone roller or an automatic welder.		
<b>Increased Wind Speed</b>	Must be reviewed by the Duro-Last Engineering Services Department. <ul style="list-style-type: none"> <li>Wind speed coverage exceeding 54 mph (86.9 km/h)</li> </ul>		
<b>Code Requirements</b>	Local code must be met. Some code agencies may require special design considerations. Contact the Duro-Last Engineering Services Department for assistance.		
<b>Fire ratings</b>	Fire ratings may require certain slip sheets, insulations, or gypsum-based cover boards.		
<b>Approved Slip Sheets</b>	<ul style="list-style-type: none"> <li>Duro-Blue</li> <li>Duro-Weave®</li> <li>Geotextile</li> <li>Ballast Mat</li> <li>FR-10</li> <li>VersaShield®</li> </ul>		
<b>Minimum Thickness</b>		<b>Substrate Material</b>	<b>Minimum Fasteners Per 4 x 8 ft (1.2 x 2.4 m)</b>
<b>Inches</b>	<b>mm</b>		
1	25	Duro-Guard® ISO II or ISO III	5
1/2	13	Duro-Guard ISO HD or ISO HD-MA	5
2	51	Duro-Guard ISO HD Composite	5
1/4	6	Duro-Guard DEXcell® Glass Mat	4
7/8	22	Duro-Guard DEXcell Cement	4
1/4	6	Duro-Guard DensDeck®	4
1/4	6	Duro-Guard Securock® Glass-Mat	4
3/8	10	Duro-Guard fan folds	16 per bundle – ≤5 ft (1.5 m) laps 28 per bundle – >5 ft (1.5 m) laps

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.

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.