



- Duro-TECH™ TPO membranes – mechanically fastened
- Cover board (when required) – mechanically fastened
- Insulation (when required) – mechanically fastened
- Poured gypsum or gypsum plank

**Refer to the Duro-TECH Specifications, Guides, and Details at [www.duro-last.com](http://www.duro-last.com)**

<b>All Products</b>	Must be purchased or approved by Duro-Last®.		
<b>Deck Requirements</b>	o Poured gypsum	o Gypsum plank	
<b>Construction Types</b>	Any wet or damaged materials must be removed prior to installation.		
	o New construction	o Re-cover	o Partial tear-off      o Complete tear-off
<b>Approved Slip Sheets</b>	o Duro-Blue®	o Duro-Weave®	o Geotextile      o Ballast Mat
	o FR-10	o VersaShield®	
<b>Vapor Barriers</b>	Consult with a design professional to determine requirements of vapor barriers.		
	o Duro-Last Vapor Barrier	o Duro-Lasts Torch-Down Vapor Barrier	o Duro-Blue with taped seams
<b>Fastener Row Spacing</b>	o 60 inch (1,524 mm) on center, maximum		
<b>Membrane, Insulation, and Cover Board Fasteners/Plates</b>	o Auger fasteners/plates – Minimum 1-1/2-inch (40-mm) penetration. <b>7/16-inch (11-mm) pre-drill required</b>		
	o VERSA-FAST® Fasteners/Plates – Minimum 2-inch (51-mm) penetration. <b>Do not pre-drill.</b>		
<b>Warranty Term by Membrane Thickness</b>	o 15-year warranty – 45 mil (1.14 mm)	o 20-year warranty – 60 mil (1.27 mm)	
	o 25-year warranty – 80 mil (2.03 mm)		
<b>Membrane Options</b>	o Duro-TECH TPO 45, 60, 80 mil		
<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.		
	o Wind speed coverage exceeding 54 mph (86.9 km/h)		
<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>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	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.

### **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.