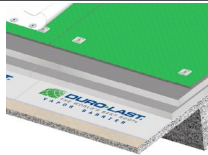

		Duro-TECH™ TPO Membranes Mechanically Fastened Over Precast Structural Concrete		Warranty Term 15, 20 and 25 Years Up to 54 mph (86.9 km/h)	
				<ul style="list-style-type: none">• Duro-TECH™ TPO membranes – mechanically fastened• Cover board (when required) – mechanically fastened• Insulation (when required) – mechanically fastened• Precast structural concrete – T-beam or hollow core 2,500 psi min. (17.2 MPa)	
Refer to the Duro-TECH Specifications, Guides, and Details at www.duro-last.com					
All Products		Must be purchased or approved by Duro-Last®.			
Deck Requirements		Precast structural concrete: <ul style="list-style-type: none">○ T-Beam○ Hollow core			
Construction Types		Any wet or damaged materials must be removed prior to installation. <ul style="list-style-type: none">○ New construction○ Re-cover○ Partial tear-off○ Complete tear-off			
Vapor Barriers		Consult with a design professional to determine requirements of vapor barriers. <ul style="list-style-type: none">○ Duro-Last Vapor Barrier○ Duro-Last Torch-Down Vapor Barrier○ Duro-Blue® with taped seams			
Warranty Term by Membrane Thickness		<ul style="list-style-type: none">○ 15-year warranty – 45 mil (1.14 mm)○ 20-year warranty – 60 mil (1.52 mm)○ 25-year warranty – 80 mil (2.03 mm) (only metal plates required)			
Membrane Options		<ul style="list-style-type: none">○ Duro-TECH TPO 45, 60, 80 mil			
Membrane, 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 spill the concrete. <ul style="list-style-type: none">○ Concrete Nail #14○ Concrete Screw #14○ HD Screw #14○ EHD Screw #15			
Membrane Plates		<ul style="list-style-type: none">○ Cleat Plates®○ Duro-TECH TPO Induction weld plates○ Duro-TECH TPO HD Seam Plate○ Poly-Plates (not recommended over hard boards)			
Cover Board Plates		<ul style="list-style-type: none">○ 3-Inch Metal Plates○ Duro-TECH TPO Induction weld plates○ Cleat Plates○ Poly-Plates (not recommended)○ Duro-TECH TPO HD Seam Plate			
Insulation Plates		<ul style="list-style-type: none">○ Insulation Plates○ 3-Inch Metal Plates○ Cleat Plates○ Poly-Plates○ Duro-TECH TPO Induction weld plates○ Duro-TECH TPO HD Seam Plate			
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. <ul style="list-style-type: none">○ 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.			
Approved Slip Sheets		<ul style="list-style-type: none">○ Duro-Blue○ Duro-Weave®○ Geotextile○ Ballast Mat○ FR-10○ VersaShield®			
Minimum Thickness		Substrate Material		Minimum Fasteners Per 4 x 8 ft (1.2 x 2.4 m)	
1-1/2	38	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.					

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.