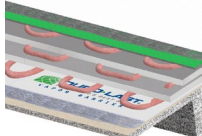
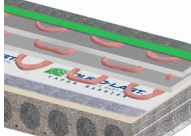
		Duro-TECH™ TPO Membrane Adhered Over Precast Structural Concrete		Warranty Term 15, 20 and 25 Years Up to 54 mph (86.9 km/h)	
				<ul style="list-style-type: none">Duro-Tech™ TPO membranes – adheredCover board (when required) – mechanically fastened or adheredInsulation (when required) – mechanically fastened or adheredPrecast structural concrete – T-beam or hollow core 2,500 psi min. (17.2 MPa)	
Refer to Duro-TECH Technical 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-BeamHollow core			
Construction Types		Any wet or damaged materials must be removed prior to installation. <ul style="list-style-type: none">New constructionPartial tear-offComplete tear-offRe-cover with a new-fastened layerRe-cover adhered directly over BUR or mod bit – Fleece only			
Vapor Barriers		Consult with a design professional to determine requirements of vapor barriers. <ul style="list-style-type: none">Duro-Last Vapor BarrierDuro-Last Torch-Down Vapor Barrier			
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)			
Membrane Options		<ul style="list-style-type: none">Duro-TECH TPO 45, 60, 80 milDuro-TECH TPO Fleece 100, 115, 135 mil (2.54, 2.92, 3.43 mm)			
Non-Fleece Membrane Adhesives		<ul style="list-style-type: none">TECH-Bond™ TPO Bonding Adhesive (two-sided application)TECH-Bond TPO LVOC Bonding Adhesive (two-sided application)TECH-Bond TPO Spray Adhesive (two-sided application)			
Fleece Membrane Adhesives		<ul style="list-style-type: none">Duro-Grip® CRA Membrane Adhesive (CR-20) (spatter pattern)TRUFAST® Roofing Adhesive (spatter pattern)Duro-Grip OlyBond500® Canister (spatter pattern)			
Insulation and Cover Board Fasteners Pullout value: min. 250 lbf (1,112.1 N)		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">Concrete Nail #14Concrete Screw #14HD Screw #14EHD Screw #15			
Insulation and Cover Board Plates		<ul style="list-style-type: none">3-Inch Metal PlatesCleat Plates®Duro-TECH TPO HD Seam Plate			
Insulation and Cover Board Adhesives		Seams may be taped if needed. <ul style="list-style-type: none">Duro-Grip CRA (CR-20)Duro-Grip OlyBond500TRUFAST Roofing AdhesiveDuro-Grip INSTA STIK™Duro-Grip Millennium PG-1 Pump GradeDuro-Grip Millennium One Step			
Insulation and Cover Board 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 – in. (mm): <ul style="list-style-type: none">Field – 12 (305)Perimeters – 6 (152)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. <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.			
Minimum Thickness		Substrate Material	Minimum Fasteners		
Inches	mm		Field	Perimeter	
1-1/2	38	Duro-Guard ISO II or ISO III	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	Duro-Guard ISO HD			
2	51	Duro-Guard ISO HD Composite			
1/4	6	Duro-Guard DEXcell FA® Glass Mat			
7/8	22	Duro-Guard DEXcell® Cement			
1/4	6	Duro-Guard DensDeck® Prime			
1/4	6	Duro-Guard Securock® Gypsum-Fiber			
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.					

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.