

Siplast Roofing & Waterproofing Systems

Guarantee Guide



 **siplast**[®]
With you every step of the way

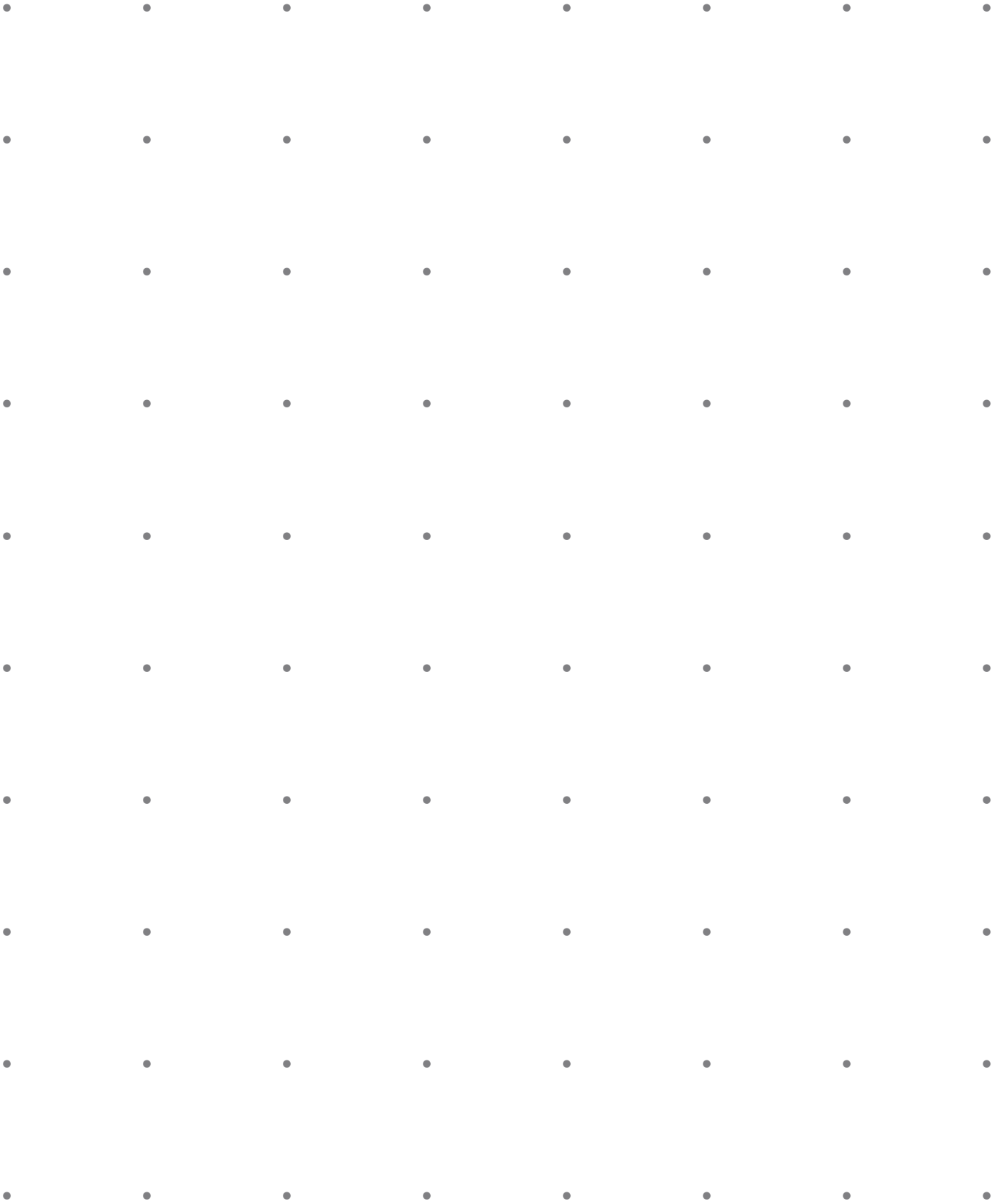


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SIPLAST GUARANTEE GUIDE

PARADIENE AND PARAFOR MEMBRANE SYSTEMS rev 05/30/2024

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TORCH-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
Up to 25 years	All Paradiene 20 TG (torch grade) series	Paradiene 20 PR TG ¹ , 30 TG, or 40 TG series; or Teranap 1M GS, Parafor 30 TG and 50 TG series (torch applied).	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, DensDeck*, DensDeck Prime*, DensDeck StormX Prime*, Securock Gypsum Fiber, Securock Cement Board (priming required), DEXcell FA*, DEXcell Cement Board (priming required) *When these cover panels are applied in hot asphalt, a torch applied base ply is required.
Up to 30 years	Paradiene 20 HT TG or Paradiene 20 EG TG		
Up to 25 years	Pro Base TG (torch grade)	Paradiene 30 FR SA series or Parafor SA series (self-adhesive) finish ply.	
30 years	1 ply of Paradiene 20 TG, followed by 1 ply of Pro Base TG.		
*Consult the Siplast Insulation Usage Guide for approved membrane and insulation combinations and application methods.			
Up to 30 years	Paradiene 20 TS	Paradiene 20 PR ¹ , 30, or 40 series; or Teranap 1M GS, Parafor 30 and 50 series (applied in PA-311 series or SFT Adhesive).	Primed structural concrete, Insulcel RT
Up to 30 years	Pro Base TS	Paradiene 30 FR SA series or Parafor SA series/self-adhesive finish ply.	
COLD ADHESIVE-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
Up to 25 years	All Paradiene 20 series	Paradiene 20 PR TG ¹ , 30 TG, or 40 TG series; or Teranap 1M GS, Parafor 30 TG and 50 TG series (torch applied).	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, Paratherm HD (high density polyisocyanurate), High Density Wood Fiber, DensDeck*, DensDeck Prime*, DensDeck StormX Prime*, Securock Gypsum Fiber, Securock Cement Board (priming required), DEXcell FA*, DEXcell Cement Board (priming required) *When these cover panels are applied in hot asphalt, a torch applied base ply is required.
Up to 30 years	Paradiene 20 HT or Paradiene 20 EG	Paradiene 20 PR ¹ , 30, or 40 series; or Teranap 1M GS, Parafor 30 and 50 series (applied in PA-311 series or SFT Adhesive).	
Up to 25 years	Pro Base	Paradiene 30 FR SA series or Parafor 30 SA series/self-adhesive finish ply.	
30 years	1 ply of Paradiene 20, followed by 1 ply of Pro Base.		
*Consult the Siplast Insulation Usage Guide for approved membrane and insulation combinations and application methods.			
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SELF ADHESIVE-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
Up to 25 years	Paradiene 20 SA	Paradiene 20 PR TG ¹ , 30 TG, or 40 TG series; or Teranap 1M GS, Parafor 30 TG and 50 TG series (torch applied). Paradiene 20 PR ¹ , 30, or 40 series; or Teranap 1M GS, Parafor 30 and 50 series (applied in PA-311 series or SFT Adhesive*). * When applying the finish ply in cold adhesive over SA products, ambient temperatures must be 60°F and rising.	Parabase Plus P, Paratherm HD (high density polyisocyanurate), Asphaltic cover panel, DensDeck*, DensDeck Prime*, DensDeck StormX Prime*, Securock Gypsum Fiber, Securock Cement Board (priming required), DEXcell FA*, DEXcell Cement Board (priming required) *When these cover panels are applied in hot asphalt, a torch applied base ply is required.
Up to 30 years	Paradiene 20 EG SA (required)		
Up to 25 years	Pro Base SA	Paradiene 30 FR SA series or Parafor 30 SA series/self-adhesive finish ply.	
*Consult the Siplast Insulation Usage Guide for approved membrane and insulation combinations and application methods.			
Up to 30 years	Paradiene 20 TS SA	Paradiene 20 PR TG ¹ , 30 TG, or 40 TG series; or Teranap 1M GS, Parafor 30 TG and 50 TG series (torch applied). Paradiene 20 PR ¹ , 30, or 40 series; or Teranap 1M GS, Parafor 30 and 50 series (applied in PA-311 series or SFT Adhesive).	Primed structural concrete
Up to 25 years	Pro Base TS SA	Paradiene 30 FR SA series or Parafor 30 SA series/self-adhesive finish ply.	
HOT ASPHALT-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
10 years	Any Paradiene 20 series applied in approved Type III or IV hot asphalt.	Paradiene 20 PR ¹ , 30, or 40 series applied in approved Type IV hot asphalt. Paradiene 20 PR TG ¹ , 30 TG, or 40 TG series; or Teranap 1M GS, Parafor 30 TG and 50 TG series (torch applied). Paradiene 20 PR ¹ , 30, or 40 series; or Teranap 1M GS, Parafor 30 and 50 series (applied in PA-311 series or SFT Adhesive).	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, High Density Wood Fiber, Securock Gypsum Fiber (base ply in Type III Asphalt only) Securock Cement Board (priming required), DEXcell Cement Board (priming required)
Up to 25 years	All Paradiene 20 series applied in approved Type III or IV hot asphalt.	Paradiene 20 PR TG ¹ , 30 TG, or 40 TG series; or Parafor 30 TG and 50 TG series (torch applied).	
Up to 30 years	Paradiene 20 HT applied in approved Type III or IV hot asphalt.	Paradiene 20 PR ¹ , 30, or 40 series; or Parafor 30 and 50 series (applied in PA-311 series or SFT Adhesive).	
*Consult the Siplast Insulation Usage Guide for approved membrane and insulation combinations and application methods.			
GENERAL REQUIREMENTS			
1. Paradiene 20 PR series membranes require an approved surfacing. 2. Teranap 1M series waterproofing finish plies with protective overburden may be substituted for a granule-surfaced finish ply. See the Siplast Waterproofing Membrane Systems with Overburden Guarantee Guide for more information. 3. A Veral finish ply may be substituted for a granule-surfaced finish ply if there is minimum 1/2-inch slope. 4. For “full system” coverage that includes the insulation system beneath the Siplast membrane, all components must be purchased from Siplast.			

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PARAPRO AND PARAFLEX MEMBRANE SYSTEMS rev 3/2023

TORCH-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
Up to 30 years	All Pro Base TG (torch grade) series	Parapro Roof Membrane; or Paraflex Liquid Membrane	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, DensDeck ¹ , DensDeck Prime ¹ , DensDeck StormX Prime ¹ , Securock Gypsum Fiber, Securock Cement Board (priming required), DEXcell FA ¹ , DEXcell Cement Board (priming required)
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.			
Up to 30 years	Pro Base TS	(same finish ply/cap sheet options as above)	Primed structural concrete, Insulcel RT
COLD ADHESIVE-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
Up to 30 years	All Pro Base series (SFT Adhesive-applied ¹). 1. PA-311 series adhesives are not approved for use with Parapro and Paraflex membrane systems.	Parapro Roof Membrane; or Paraflex Liquid Membrane	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, Paratherm HD (high density polyisocyanurate), High Density Wood Fiber, DensDeck ¹ , DensDeck Prime ¹ , DensDeck StormX Prime ¹ , Securock Gypsum Fiber ¹ , Securock Cement Board (priming required), DEXcell FA ¹ , DEXcell Cement Board (priming required), 1. When these cover panels are applied in hot asphalt, a torch applied base ply is required.
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.			
SELF ADHESIVE-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
Up to 30 years	Pro Base SA	Parapro Roof Membrane; or Paraflex Liquid Membrane	Parabase Plus P, Paratherm HD (high density polyisocyanurate), Asphaltic cover panel, DensDeck ¹ (priming required), DensDeck Prime ¹ , DensDeck StormX Prime ¹ , Securock Gypsum Fiber (priming required), Securock Cement Board (priming required), DEXcell FA ¹ , DEXcell Cement Board (priming required), 1. When these cover panels are applied in hot asphalt, a torch applied base ply is required.
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.			
Up to 30 years	Pro Base TS SA	(same finish ply/cap sheet options as above)	Primed structural concrete
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HOT ASPHALT-APPLIED BASE PLY			
COVERAGE PERIODS	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
Up to 30 years	Any Pro Base series applied in approved Type III or IV hot asphalt.	Parapro Roof Membrane ¹ ; or Paraflex Liquid Membrane ¹ 1. Pro Primer R (for Parapro systems) or Pro Primer AC (for Paraflex systems) is recommended at asphalt bleed-out.	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, Paratherm HD (high density polyisocyanurate), High Density Wood Fiber, Securock Gypsum Fiber (base ply in Type III Asphalt only)
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.			
PARAPRO OR PARAFLEX APPLIED DIRECTLY TO STRUCTURAL SUBSTRATE			
COVERAGE PERIODS	PRIMER	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES ¹
Up to 20 years	Pro Primer T or Pro Primer E required for Parapro	Parapro Roof Membrane	Structural concrete: CSP 2 to 4 for Pro Primer T CSP 3 for Pro Primer E
	None required for Paraflex, except concrete having an internal relative humidity in excess of 75% requires Pro Primer E.	Paraflex Liquid Membrane	1. Contact Siplast Design Services for constructions that do not provide bottom-side venting, such as slab-on-grade, slab-on-slab (concrete placed over a vapor impermeable membrane), concrete placed over a metal pan, and for application to other substrate types.
GENERAL REQUIREMENTS			
1. A maximum panel size of 4' x 4' is required for polyisocyanurate and high density fiberboard panels applied in low-rise foam adhesive. A maximum panel size of 4' x 4' is required for all insulation products applied in hot asphalt. 2. For "full system" coverage that includes the insulation system beneath the Siplast membrane system, all components must be purchased from Siplast.			

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WATERPROOFING SYSTEMS WITH OVERBURDEN rev 2/2024

TERANAP WATERPROOFING - ALL APPLICATION METHODS

COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES (See Note 1 on page 2)
Up to 30 years	All Paradiene 20 TG (torch grade) series; Paradiene 20 SA; All Paradiene 20 series (applied in PA-311 series or SFT Adhesive).	Teranap 1M Sand, Film or GS (torch applied, or applied in PA-311 series ¹ or SFT Adhesive). 1. PA-311 series adhesives not for use with Teranap 1M Film.	Structural concrete primed with asphaltic primer (ie. PA-917 or PA-1125)
Up to 30 years	Paradiene 20 TS	Teranap 1M Sand, Film or GS (torch applied, or applied in PA-311 series ¹ or SFT Adhesive). 1. PA-311 series adhesives not for use with Teranap 1M Film.	Insulcel RT

PARAPRO AND PARAFLEX WATERPROOFING OVER PRO BASE - ALL APPLICATION METHODS

COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES (See Note 1 on page 2)
10 years	All Pro Base series (applied in approved Type III or IV hot asphalt).	Parapro Roof Membrane ¹ ; or Paraflex Liquid Membrane ¹ 1. Pro Primer R (for Parapro systems) or Pro Primer AC (for Paraflex systems) is recommended at asphalt bleed-out.	Structural concrete primed with asphaltic primer (ie. PA-917 or PA-1125)
Up to 30 years	All Pro Base TG (torch grade) series; Pro Base SA; All Pro Base series (applied in SFT Adhesive.) 1. PA-311 series adhesives are not approved for use with Parapro and Paraflex membrane systems.		
Up to 30 years	Pro Base TS		

PARAPRO OR PARAFLEX APPLIED DIRECTLY TO STURCTURAL SUBSTRATE

COVERAGE	PRIMER	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES ¹
Up to 20 years	Pro Primer T or Pro Primer E required for Parapro	Parapro Roof Membrane	Structural concrete: CSP 2 to 4 for Pro Primer T CSP 3 for Pro Primer E 1. Contact Siplast Design Services for constructions that do not provide bottom-side venting, such as slab-on-grade, slab-on-slab (concrete placed over a vapor impermeable membrane), concrete placed over a metal pan, and for application to other substrate types.
	None required for Paraflex, except concrete having an internal relative humidity in excess of 75% requires Pro Primer E.	Paraflex Liquid Membrane	

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WATERPROOFING SYSTEMS WITH OVERBURDEN rev 2/2024

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PARATECH WATERPROOFING - ALL APPLICATION METHODS

COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES (See Note 1 on page 2)
Up to 20 years	All Paratech TG (torch grade) series; or All Paratech series (applied in PA-311 series or SFT Adhesive).	Paratech 180 Base TG or Paratech 250 Base TG (torch grade); or Paratech 180 Base or Paratech 250 Base applied in Paratech Adhesive ¹ or SFT Adhesive).	Structural concrete primed with asphaltic primer (ie. PA-917 or PA-1125)

OVERBURDEN REMOVAL/REPLACEMENT COVERAGE FEE CHART

ELIGIBLE SYSTEMS	FEE	DESCRIPTION AND NOTES	
Teranap, Parapro and Paraflex. (not offered for Paratech waterproofing systems)	\$1,000 flat fee plus \$6.00 per square (The fee above does not include intensive vegetated systems - contact Siplast Guarantee Services for evaluation and fee.)	Provides removal/replacement of the overburden components in the event of a roof leak covered under the terms of our guarantee. Eligible membrane systems cannot be applied over rigid insulation. All overburden components must be sold by Siplast unless alternates are reviewed and approved by Siplast in advance.	
		Acceptable components include: - Root Barrier - Asphaltic protection board - Extruded polystyrene - Drainage Mat - Filter fabric - Pedestal/Paver system - Extensive growing medium - Paragreen Pre-grown Vegetated Mat - Intensive growing medium (in-place leak detection system required)	Not available for the following types of overburden: - Poured concrete topping - Tile placed in setting bed - Intensive plants/trees/shrubs/plugs - Concrete or metal planter boxes - Other large structures or furnishings - Interlocking paver systems

GENERAL REQUIREMENTS

- For applications over rigid insulation, non-insulated nailable decks, and SLIC substrates, see guidelines for Paradiene and Parapro Membrane Systems.
- An approved protection course is required. Examples include:
 - Paradrain Drainage Mat
 - PC-2 or PC-3 by W.R. Meadows
 - Extruded polystyrene placed over polyethylene
 - Paratread directly under pedestals
 - Parablock Root Barrier (for vegetated overburden)
- Bituminous systems applied in solvent-based adhesive (ie. PA-311 or Paratech series) must cure prior to application of overburden.
- Siplast standard specifications call for a layer of 6-mil polyethylene loose laid over the membrane prior to placement of expanded polystyrene insulation (XPS or EPS) directly over bituminous membrane systems.
- Contact Siplast Technical Design Services for additional guidelines and recommendations for overburden configurations.

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TERAPRO AND TERAPRO VTS WATERPROOFING SYSTEMS rev 2/2023

TERAPRO AND TERAPRO VTS SYSTEMS APPLIED DIRECTLY TO STURCTURAL SUBSTRATE			
GUARANTEE ELIGIBILITY	SYSTEM	PRIMERS	CONCRETE PREPARATION REQUIREMENTS ¹
5-year PMMA Surfacing Material Warranty	Terapro 220, Terapro 250, Pro Color/Natural Quartz/Pro Color; or Pro Color/VTS Quartz/Pro Color	Pro Primer T, or Pro Primer E	CSP 2 to 4 for Pro Primer T CSP 3 for Pro Primer E (required if relative humidity exceeds 75%)
10-year PMMA Surfacing Material Warranty	Terapro 250 over Pro Grid	Pro Primer W for grid embedment	CSP 2 to 4. Pre-prime with Pro Primer E if relative humidity exceeds 75%
5- or 10-year Terapro Waterproofing Membrane Guarantee (Unreinforced System)	Terapro Pedestrian Pro Texture or Pro Natural Quartz	Pro Primer T, or Pro Primer E	CSP 2 to 4 for Pro Primer T CSP 3 for Pro Primer E (required if relative humidity exceeds 75%)
5- or 10-year Terapro VTS Waterproofing Membrane Guarantee (Unreinforced System)	Terapro VTS VTS Quartz		
5-, 10-, or 15-year Terapro Waterproofing Membrane Guarantee (Pro Grid Reinforced System)	Terapro Pedestrian Pro Texture or Pro Natural Quartz	Pro Primer W for grid embedment	CSP 2 to 4. Pre-prime with Pro Primer E if relative humidity exceeds 75%
5-, 10-, or 15-year Terapro VTS Waterproofing Membrane Guarantee (Pro Grid Reinforced System)	Terapro VTS VTS Quartz		
5-, 10-, 15- or 20-year Terapro Waterproofing Membrane Guarantee (Pro Fleece Reinforced System)	Terapro Pedestrian Pro Texture or Pro Natural Quartz	Pro Primer T, or Pro Primer E	CSP 2 to 4 for Pro Primer T CSP 3 for Pro Primer E (required if relative humidity exceeds 75%)
5-, 10-, 15- or 20-year Terapro VTS Waterproofing Membrane Guarantee (Pro Fleece Reinforced System)	Terapro VTS VTS Quartz		
GENERAL REQUIREMENTS			
1. Concrete decks must provide for bottom-side venting. Structural lightweight concrete and concrete that does not provide for bottom-side venting should not be considered for use as a substrate for Siplast Terapro Systems without the advanced written approval of the Siplast Design Services Department. Also, contact Siplast Design Services for other constructions that do not provide bottom-side venting, such as slab-on-grade, slab-on-slab (concrete placed over a vapor impermeable membrane), concrete placed over a metal pan, and for application to other substrate types.			

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PARASOLO PVC LP, PVC KEE, AND TPX ROOFING SYSTEMS

rev 8/2023

Fleece-Back or Smooth single ply systems and Fleece-Back hybrid systems

MECHANICALLY ATTACHED AND RHINOBOND INDUCTION WELDED SYSTEMS						
COVERAGE PERIODS	MINIMUM THICKNESS			APPROVED SUBSTRATES	SPECIAL GUIDELINES	
	PVC KEE	PVC LP	TPX			
10 & 15 years	50 mil	50 mil	60 mil	Paratherm (polyisocyanurate) Paratherm HD (high density polyisocyanurate) High Density Wood Fiber DensDeck, DensDeck Prime, DensDeck StormX Prime, Securock Gypsum Fiber, Securock Cement Board (priming required) DEXcell FA, DEXcell Cement Board (priming required)	1. Parasolo Fleece-Back or Smooth membrane may be mechanically attached. 2. RhinoBond induction welded systems require Parasolo Smooth.	
Up to 20 years	50 mil	60 mil	60 mil			
Up to 25 years	60 mil	80 mil	80 mil	Paratherm HD (high density polyisocyanurate) High Density Wood Fiber DensDeck, DensDeck Prime, DensDeck StormX Prime, Securock Gypsum Fiber, Securock Cement Board (priming required) DEXcell FA, DEXcell Cement Board (priming required)	3. For 25 and 30 years: Only new construction or tear-off; no re-covers. 4. For 25 and 30 years: Minimum 2 layers of insulation required. Top layer must be an approved cover panel.	
Up to 30 years	80 mil	80 mil	80 mil			
ADHESIVE-ADHERED SYSTEMS						
COVERAGE PERIODS	MINIMUM THICKNESS			APPROVED SUBSTRATES	SPECIAL GUIDELINES	
	PVC KEE	PVC LP	TPX			
10 & 15 years	50 mil	50 mil	60 mil	Paratherm (polyisocyanurate) Paratherm HD (high density polyisocyanurate) High Density Wood Fiber DensDeck, DensDeck Prime, DensDeck StormX Prime, Securock Gypsum Fiber, Securock Cement Board (priming required) DEXcell FA, DEXcell Cement Board (priming required)	1. Parasolo Fleece-Back must be applied in Parafast Adhesive T. 2. Parasolo PVC KEE Smooth can be applied in: - Parasolo Bonding Adhesive - Parasolo Quick Spray Adhesive 3. Parasolo PVC LP can be applied in: - Parasolo Bonding Adhesive - Parasolo Quick Spray Adhesive - Parasolo Quick Lay Adhesive	
Up to 20 years	50 mil	60 mil	60 mil			
Up to 25 years	60 mil	80 mil	80 mil	Paratherm HD (high density polyisocyanurate) High Density Wood Fiber DensDeck, DensDeck Prime, DensDeck StormX Prime, Securock Gypsum Fiber, Securock Cement Board (priming required) DEXcell FA, DEXcell Cement Board (priming required)	4. For 25 and 30 years: Only new construction or tear-off; no re-covers. 5. For 25 and 30 years: Minimum 2 layers of insulation required. Top layer must be an approved cover panel.	
Up to 30 years	80 mil	N/A	N/A			
(see page 2 for Parasolo Hybrid Systems)						

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PARASOLO PVC LP, PVC KEE AND TPX ROOFING SYSTEMS rev 8/2023
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TORCH-APPLIED BASE PLY with PARASOLO FLEECE-BACK FINISH PLY/CAP SHEET						
COVERAGE PERIODS	MINIMUM THICKNESS			BASE PLY	APPROVED SUBSTRATES	
	PVC KEE	PVC LP	TPX			
10 & 15 years	50 mil	50 mil	60 mil	All Paradiene 20 TG (torch grade) series	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, DensDeck ¹ , DensDeck Prime ¹ , DensDeck StormX Prime ¹ , Securock Gypsum Fiber, Securock Cement Board (priming required), DEXcell FA ¹ , DEXcell Cement Board (priming required) 1. When these cover panels are applied in hot asphalt, a torch applied base ply is required.	
20 years	50 mil	60 mil	60-mil			
25 years	60 mil	80 mil	80-mil			
30 years	80 mil	N/A	N/A			
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.						
10 & 15 years	50 mil	50 mil	60-mil	Paradiene 20 TS	Primed structural concrete, Insulcel RT	
20 years	50 mil	60 mil	60-mil			
25 years	60 mil	80 mil	80-mil			
30 years	80 mil	N/A	N/A			
COLD ADHESIVE-APPLIED BASE PLY with PARASOLO FLEECE-BACK FINISH PLY/CAP SHEET						
COVERAGE PERIODS	MINIMUM THICKNESS			BASE PLY	APPROVED SUBSTRATES	
	PVC KEE	PVC LP	TPX			
10 & 15 years	50 mil	50 mil	60-mil	All Paradiene 20 series applied in SFT Adhesive	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, Paratherm HD (high density polyisocyanurate), High Density Wood Fiber, DensDeck ¹ , DensDeck Prime ¹ , DensDeck StormX Prime ¹ , Securock Gypsum Fiber ¹ , Securock Cement Board (priming required), DEXcell FA ¹ , DEXcell Cement Board (priming required) 1. When these cover panels are applied in hot asphalt, a torch applied base ply is required.	
20 years	50 mil	60 mil	60-mil			
25 years	60 mil	80 mil	80-mil			
30 years	80 mil	N/A	N/A			
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.						
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SELF-ADHESIVE BASE PLY with PARASOLO FLEECE-BACK FINISH PLY/CAP SHEET						
COVERAGE PERIODS	MINIMUM THICKNESS			BASE PLY	APPROVED SUBSTRATES	
	PVC KEE	PVC LP	TPX			
10 & 15 years	50 mil	50 mil	60-mil	Paradiene 20 SA	Parabase Plus P, Paratherm HD (high density polyisocyanurate), Asphaltic cover panel, DensDeck ¹ (priming required), DensDeck Prime ¹ , DensDeck StormX Prime ¹ , Securock Gypsum Fiber (priming required), Securock Cement Board (priming required), DEXcell FA ¹ , DEXcell Cement Board (priming required) 1. When these cover panels are applied in hot asphalt, a torch applied base ply is required.	
20 years	50 mil	60 mil	60-mil			
25 years	60 mil	80 mil	80-mil			
30 years	80 mil	N/A	N/A			
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.						
10 & 15 years	50 mil	50 mil	60-mil	Paradiene 20 TS SA	Primed structural concrete	
20 years	50 mil	60 mil	60-mil			
25 years	60 mil	80 mil	80-mil			
30 years	80 mil	N/A	N/A			
HOT ASPHALT-APPLIED BASE PLY with PARASOLO FLEECE-BACK FINISH PLY/CAP SHEET						
COVERAGE PERIODS	MINIMUM THICKNESS			BASE PLY	APPROVED SUBSTRATES	
	PVC KEE	PVC LP	TPX			
10 & 15 years	50 mil	50 mil	60-mil	All Paradiene 20 series applied in approved Type III or IV hot asphalt. (Type III hot asphalt required for Securock Gypsum Fiber substrates)	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, Paratherm HD (high density polyisocyanurate), High Density Wood Fiber, Securock Gypsum Fiber (base ply in Type III Asphalt only)	
20 years	50 mil	60 mil	60-mil			
25 years	60 mil	80 mil	80-mil			
30 years	80 mil	N/A	N/A			
GENERAL REQUIREMENTS AND CONSIDERATIONS						
1. Refer to the Siplast Parasolo Installer’s Guide for mechanically attached systems for further information regarding approved fasteners and fastening frequencies. 2. Refer to the Siplast Parasolo Installer’s Guide for adhered systems for further information regarding approved adhesives and sheet types. 3. Termination bars will be guaranteed for up to 20 years provided Parasolo Waterblock is used behind the Parasolo membrane/term bar. The Flexseal Sealant used in the term bar receiver is not covered, but considered a maintenance item. Guarantees beyond 20 years will require a reglet counter flashing or a surface-mount counter flashing above the term bar/membrane configuration. 4. Parasolo pitch pans and fillers will be guaranteed for up to 20 years. Terms beyond 20 years will require Parapro 123 Flashing for penetrations where a pitch pan is traditionally used. 5. For “full system” coverage that includes the insulation system beneath the Siplast membrane, all components must be purchased from Siplast.						

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PARATECH MEMBRANE SYSTEMS rev 12/4/2023

TORCH-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
10 years 15 years 20 years	All Paratech Base TG (torch grade) series	Paratech 180 Base TG¹, Paratech 250 Base TG¹, or any Paratech TG Cap series. Paratech 180 Base¹, Paratech 250 Base¹, or any Paratech Cap series (applied in Paratech or SFT Adhesive; or approved Type IV asphalt). 1. Paratech 180 or 250 Base series membranes that are used as a finish ply require an approved surfacing or overburden.	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, DensDeck¹, DensDeck Prime¹, DensDeck StormX Prime¹, Securock Gypsum Fiber, Securock Cement Board (priming required), DEXcell FA¹, DEXcell Cement Board (priming required) 1. When these cover panels are applied in hot asphalt, a torch applied base ply is required.
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.			
COLD ADHESIVE-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
10 years 15 years 20 years	All Paratech Base series (applied in Paratech or SFT Adhesive). Applications directly to polyisocyanurate insulation require at least one ply (base or cap) to be polyester reinforced (180 or 250.)	Paratech 180 Base TG¹, Paratech 250 Base TG¹, or any Paratech TG Cap series. Paratech 180 Base¹, Paratech 250 Base¹, or any Paratech Cap series (applied in Paratech or SFT Adhesive; or approved Type IV asphalt). 1. Paratech 180 or 250 Base series membranes that are used as a finish ply require an approved surfacing or overburden.	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, Paratherm (polyisocyanurate), Paratherm HD (high density polyisocyanurate), High Density Wood Fiber, DensDeck¹, DensDeck Prime¹, DensDeck StormX Prime¹, Securock Gypsum Fiber¹, Securock Cement Board (priming required), DEXcell FA¹, DEXcell Cement Board (priming required) 1. When these cover panels are applied in hot asphalt, a torch applied base ply is required.
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.			
HOT ASPHALT-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
10 years 15 years 20 years	All Paratech Base series (applied in approved Type III or Type IV asphalt). Applications directly to polyisocyanurate insulation require at least one ply (base or cap) to be polyester reinforced (180 or 250.)	Paratech 180 Base TG¹, Paratech 250 Base TG¹, or any Paratech TG Cap series. Paratech 180 Base¹, Paratech 250 Base¹, or any Paratech Cap series (applied in Paratech or SFT Adhesive; or approved Type IV asphalt). 1. Paratech 180 or 250 Base series membranes that are used as a finish ply require an approved surfacing or overburden.	Parabase, Parabase FS, Parabase Plus, Asphaltic cover panel, Paratherm (polyisocyanurate), High Density Wood Fiber, Securock Gypsum Fiber (base ply in Type III Asphalt only)
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.			
(continued on page 2)			

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SELF ADHESIVE-APPLIED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
10 years 15 years 20 years	Paratech Glass Base SA 2.5	Paratech 180 Base TG¹, Paratech 250 Base TG¹, or any Paratech TG Cap series. Paratech 180 Base¹, Paratech 250 Base¹, or any Paratech Cap series (applied in Paratech or SFT Adhesive; or approved Type IV asphalt). 1. Paratech 180 or 250 Base series membranes that are used as a finish ply require an approved surfacing or overburden.	Parabase Plus P, Paratherm HD (high density polyisocyanurate), Asphaltic cover panel, DensDeck¹ (priming required), DensDeck Prime¹, DensDeck StormX Prime¹, Securock Gypsum Fiber (priming required), Securock Cement Board (priming required), DEXcell FA¹, DEXcell Cement Board (priming required) 1. When these cover panels are applied in hot asphalt, a torch applied base ply is required.
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.			
Up to 20 years	Paratech Glass Base SA 2.5	(same finish ply/cap sheet options as above)	Primed structural concrete The membrane must have overburden)
MECHANICALLY ATTACHED BASE PLY			
COVERAGE	BASE PLY	FINISH PLY/CAP SHEET OPTIONS	APPROVED SUBSTRATES*
10 years 15 years 20 years	Paratech 180 Base mechanically attached according to Siplast specifications (see installer guide for specific attachment guidelines). Fasteners not concealed within side or end laps must be covered with an additional stripping ply of Paratech 180 or 250 Base series membrane.	Paratech 180 Base TG¹, Paratech 250 Base TG¹, or any Paratech TG Cap series. Paratech 180 Base¹, Paratech 250 Base¹, or any Paratech Cap series (applied in Paratech or SFT Adhesive; or approved Type IV asphalt). 1. Paratech 180 or 250 Base series membranes that are used as a finish ply require an approved surfacing or overburden.	Asphaltic cover panel, Paratherm (polyisocyanurate), Paratherm HD (high density polyisocyanurate), High Density Wood Fiber, DensDeck, DensDeck Prime, DensDeck StormX Prime, Securock Gypsum Fiber, Securock Cement Board, DEXcell FA, DEXcell Cement Board
*Consult the Siplast Rigid Insulation and Base Sheet Usage Guide for approved membrane and insulation combinations and application methods.			
GENERAL REQUIREMENTS			
- For “full system” coverage that includes the insulation system beneath the Siplast membrane system, all components must be purchased from Siplast. - Paratech 180 or 250 Cap series sheets (torch or adhesive grade) must be used as a flashing membrane for all roof constructions.			

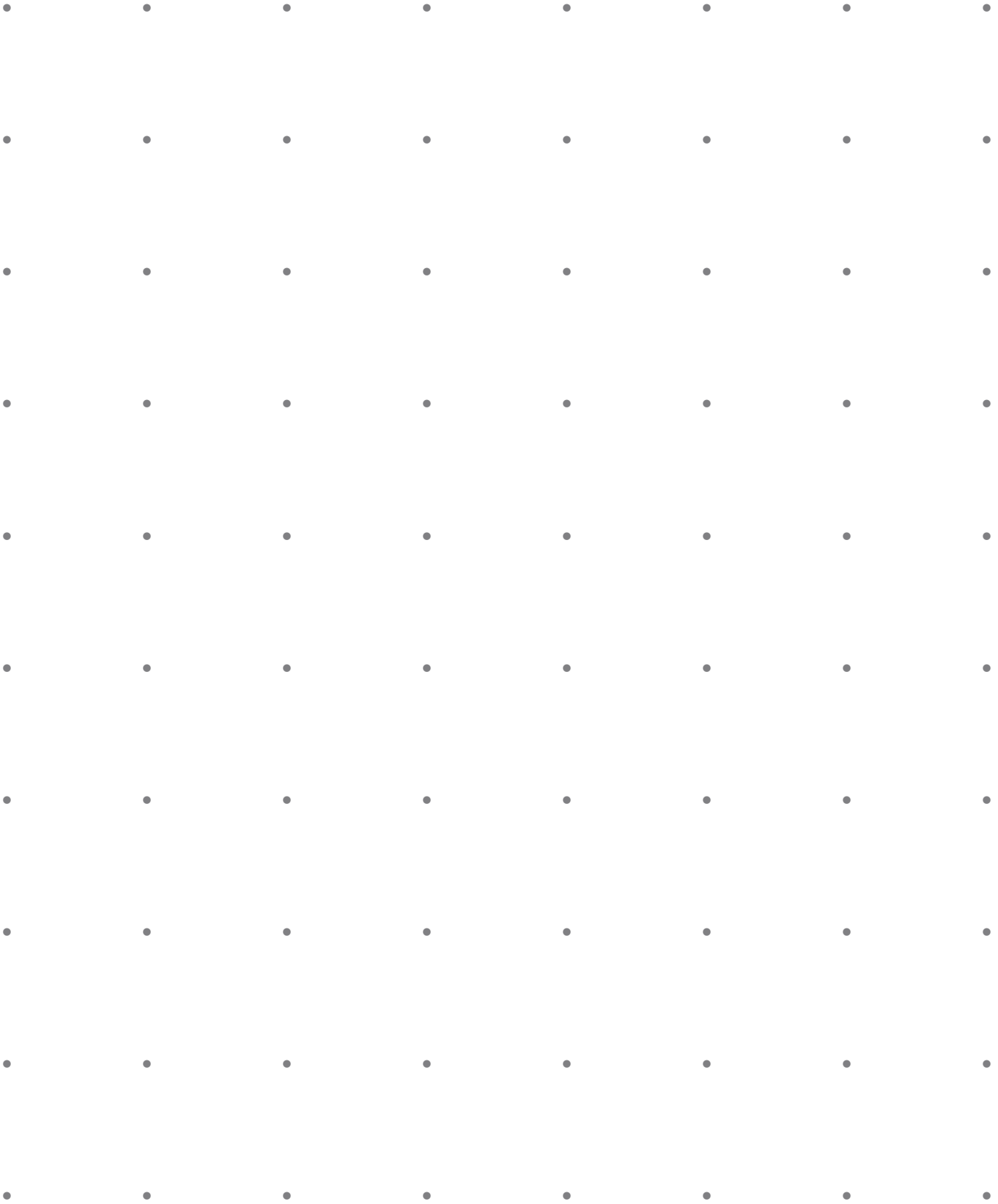
Guarantee and Warranty Comparison Chart



PRODUCT LINES	Any Siplast SBS-modified bitumen or liquid-applied membrane		Paratech		Parasolo PVC and Parasolo TPX		Paradiene, Parafor, Teranap, Parapro, and Paraflex		
WARRANTY/GUARANTEE TYPE	Siplast Materials Warranty*	Siplast Materials & Labor Warranty*	Siplast Roof Membrane Guarantee*		Siplast Thermoplastic Roof Membrane Guarantee*		Siplast Premium Membrane Guarantee*		
INSULATION INCLUSION	N/A		Note: Full “system” coverage is also available, provided the insulation system or lightweight insulating concrete roof deck, and associated accessories, are purchased from Siplast.*						
PONDING WATER COVERAGE	Damage and leaks caused by ponding water are excluded from coverage.				No exclusions for leaks due to ponding water.		No exclusions for leaks due to ponding water over liquid-applied & protected waterproofing systems. Damage and leaks caused by ponding water are excluded for exposed granule-surfaced systems.		
AVAILABLE PERIODS and ASSOCIATED FEE(S)	10, 15, or 20 years	10 years = \$250							
		15 years = \$400							
	No Fee	20 years = \$600							
				Membrane Only	Membrane with LWIC/Insulation				
				10 Years \$5.00/square or \$4.00/square					
FINAL INSPECTION FEE (“tech charge”)	N/A		\$500 for projects <50 squares		\$500 for projects <50 squares (SBS); or \$500 for projects <30 squares (liquid)				
	Field Technical inspections not available.		Interim and final inspections by Siplast Field Technical Manager.						
	Limited to original cost of the covered products only.		No dollar limit on coverage; non-prorated.						
	Replacement materials for those materials that leak as a result of a manufacturing defect.		Repair of covered leaks due to manufacturing defects, workmanship or ordinary wear and tear.						
	Replacement materials for those materials that leak as a result of a manufacturing defect and the labor to install those replacement materials.								

*Additional requirements apply. Please contact Siplast for more information. Please refer to the sample warranty or guarantee document, available at siplast.com, for complete coverage and restrictions.

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Siplast
14911 Quorum Dr., Suite 600
Dallas, Texas 75254-1491
469-995-2200
Email: designservices@siplast.com

In Canada:
201 Bewicke Ave., Suite 208
Vancouver, BC, Canada V7M 3M7
604-929-7687

Customer Service in North America:
Toll Free 1-800-922-8800

siplast.com