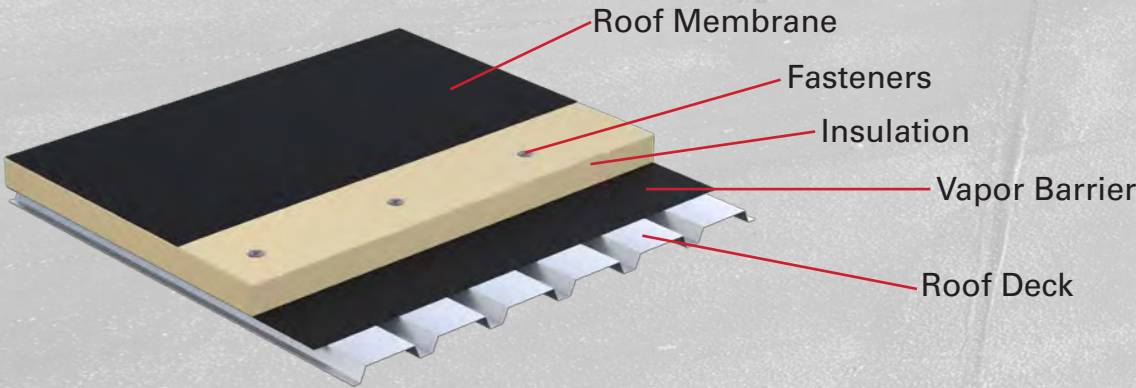




KARNAK

Repair Solutions Guide

Our goal is to proactively maintain the roof so leaks do not occur thus avoiding the collateral damage that cost building owners thousands of dollars each year. This KARNAK Repair Solutions Guide will help identify the correct product to repair and coating system to apply for maximum roof performance.



The roof membrane is the intended barrier to keep water out of the roof system and from entering the space below. Water that breaches the roof membrane (e.g., a roof leak) will affect the roof system components differently.

- Fasteners:

Causes rusting and corrosion of metal fasteners reducing their ability to secure the roof system
- Insulation:

Saturates insulation leading to reduced R-value (insulating performance) and deterioration
- Vapor Barrier:

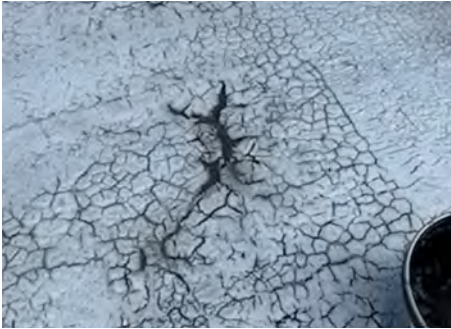



















Accelerated deterioration reducing its effectiveness to manage vapor flow
- Roof Deck:





















Rusting and corroding metal decks, purlins and supporting structures, decay and rotting of wood decks and spalling of concrete decks





Commercial low slope roofs are typically composed of a roof deck, vapor barrier, insulation and roof membrane. All components under the roof membrane will be adversely affected by prolonged exposure to water. The components may be affixed using adhesives or fasteners, depending on the specific component. These components must remain dry in order to perform as intended and provide their designed service life.





Repair Solutions by Substrate





















Asphalt	4	Metal	18
Splits in Roof		Fastener Backout or Failure	
Seams Opening		Gasket Failure	
Alligating		Horizontal Seams	
Granule Loss		Vertical Seams	
Ponding Water		Ridge Degradation	
Puncture Holes		Flashing Failures	
Worn Flashings		Rust Holes	
Penetration Pockets		Existing Coating Deterioration	
Blisters		Emergency Repair	
Existing Coating Deterioration			
Emergency Repair			
Single Ply	10	SPF	24
Splits in Roof		Splits in Roof	
Seams Opening		Existing Coating Deterioration	
Ponding Water		Holes	
Puncture Holes		Blisters	
Worn Flashings		Ponding Water	
Deteriorated Surface		Emergency Repair	
Emergency Repair			
EPDM	14	Concrete	28
Splits in Roof		Cracks	
Seams Opening		Spalling	
Ponding Water		Deteriorated Surface	
Puncture Holes		Ponding Water	
Worn Flashings		Existing Coating Deterioration	
Deteriorated Surface		Emergency Repair	
Tenting			
		Parapet Walls	32
		Cracked Copings	
		Cracked Masonry Wall	
		Porous Wall	
		Spalling	























		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT
SPLITS IN ROOF		<p>Water leaks into roof system – can lead to mold and rot</p> <p>Saturated or wet insulation – leads to loss of R-value</p>	<p>19 Ultra Rubberized Flashing Cement</p> <p>229AR Elastomeric Trowel</p> <p>502MS Karna-Flex</p> <p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	<p>Elastomeric Aluminum 298 Alumin-R</p> <p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone 670HS Karna-Sil Ultra</p>	   
SEAMS OPENING		<p>Water leaks into roof system – can lead to mold and rot</p> <p>Saturated or wet insulation – leads to loss of R-value</p>	<p>19 Ultra Rubberized Flashing Cement</p> <p>229AR Elastomeric Trowel</p> <p>502MS Karna-Flex</p> <p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	<p>Elastomeric Aluminum 298 Alumin-R</p> <p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone 670HS Karna-Sil Ultra</p>	   
ALLIGATORING		<p>Asphalt deterioration– which can lead to premature failure of roof</p>	<p>19 Ultra Rubberized Flashing Cement</p> <p>229AR Elastomeric Trowel</p> <p>502MS Karna-Flex</p> <p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	<p>Elastomeric Aluminum 298 Alumin-R</p> <p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone 670HS Karna-Sil Ultra</p>	   
GRANULE LOSS		<p>Asphalt deterioration– which can lead to premature failure of roof</p>	<p>298 Alumin-R</p> <p>220 Fibered Emulsion</p> <p>229AR Elastomeric Brush</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	<p>Elastomeric Aluminum 298 Alumin-R</p> <p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone 670HS Karna-Sil Ultra</p>	   







		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT	
PONDING WATER		Asphalt deterioration— which can lead to premature failure of roof	229AR Elastomeric Brush 5540 Resat-Mat (Fabric required when making all repairs)	 	Elastomeric Aluminum 298 Alumin-R Silicone 670HS Karna-Sil Ultra	 
PUNCTURE HOLES		Water leaks into roof system— can lead to mold and rot Saturated or wet insulation— Leads to loss of R-value	19 Ultra Rubberized Flashing Cement 229AR Elastomeric Trowel 502MS Karna-Flex 505MS Karna-Flex WB 5540 Resat-Mat (Fabric required when making all repairs)	   	Elastomeric Aluminum 298 Alumin-R Acrylic 501 Elasto-Brite Thermoplastic Rubber 502 Elasto-Kote Silicone 670HS Karna-Sil Ultra	   
WORN FLASHINGS		Water leaks into roof system— can lead to mold and rot Saturated or wet insulation— Leads to loss of R-value Asphalt deterioration— which can lead to premature failure of roof	19 Ultra Rubberized Flashing Cement 229AR Elastomeric Trowel 502MS Karna-Flex 505MS Karna-Flex WB 5540 Resat-Mat (Fabric required when making all repairs)	   	Elastomeric Aluminum 298 Alumin-R Acrylic 501 Elasto-Brite Thermoplastic Rubber 502 Elasto-Kote Silicone 670HS Karna-Sil Ultra	   






















		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT
PENETRATION POCKETS		<p>Water leaks into roof system– Can lead to mold and rot</p> <p>Saturated or wet insulation– Leads to loss of R-value</p>	<p>229AR Elastomeric Trowel</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p> <p>Note: Gravel is to be removed and the roof flood coated with asphalt emulsion first before applying any of the coating systems.</p>	<p>229AR Elastomeric Trowel</p> <p>5540 Resat-Mat</p> <p>502MS Karna-Flex</p> <p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat</p>	<p>Elastomeric Aluminum 298 Alumin-R</p> <p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone 670HS Karna-Sil Ultra</p>
BLISTERS		<p>Water leaks into roof system– Can lead to mold and rot</p> <p>Saturated or wet insulation– Leads to loss of R-value</p>	<p>19 Ultra Rubberized Flashing Cement</p> <p>229AR Elastomeric Trowel</p> <p>502MS Karna-Flex</p> <p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	<p>19 Ultra Rubberized Flashing Cement</p> <p>229AR Elastomeric Trowel</p> <p>502MS Karna-Flex</p> <p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat</p>	<p>Elastomeric Aluminum 298 Alumin-R</p> <p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone 670HS Karna-Sil Ultra</p>
EXISTING COATING DETERIORATION		<p>Asphalt deterioration–which can lead to premature failure of roof</p>	<p>298 Alumin-R (No ponding)</p> <p>Acrylic (No ponding)</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	<p>298 Alumin-R</p> <p>Acrylic</p> <p>5540 Resat-Mat</p>	<p>Elastomeric Aluminum 298 Alumin-R</p> <p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone (Ponding Okay)..... 670HS Karna-Sil Ultra</p>
EMERGENCY REPAIR		<p>Water leaks into roof system– Can lead to mold and rot</p> <p>Saturated or wet insulation– Leads to loss of R-value</p>	<p>19 Ultra Rubberized Flashing Cement</p> <p>502 MS Karna-Flex</p>	<p>19 Ultra Rubberized Flashing Cement</p> <p>502 MS Karna-Flex</p>	<p>N/A</p>




		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	TOP COAT	
SPLITS IN ROOF		Water leaks into roof system– Can lead to mold and rot Saturated or wet insulation– Leads to loss of R-value	502MS Karna-Flex		Acrylic 501 Elasto-Brite	
			505MS Karna-Flex WB		Thermoplastic Rubber 502 Elasto-Kote	
			5540 Resat-Mat (Fabric required when making all repairs)		Silicone 670HS Karna-Sil Ultra	
SEAMS OPENING		Water leaks into roof system– Can lead to mold and rot Saturated or wet insulation– Leads to loss of R-value	502MS Karna-Flex		Acrylic 501 Elasto-Brite	
			505MS Karna-Flex WB		Thermoplastic Rubber 502 Elasto-Kote	
			5540 Resat-Mat (Fabric required when making all repairs)		Silicone 670HS Karna-Sil Ultra	
PONDING WATER		Membrane deterioration—which can lead to premature failure of roof			Silicone 670HS Karna-Sil Ultra	
					Thermoplastic Rubber 502 Elasto-Kote	








		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT
PUNCTURE HOLES		Water leaks into roof system—can lead to mold and rot	502MS Karna-Flex 	Acrylic	501 Elasto-Brite 
		Saturated or wet insulation—Leads to loss of R-value	505MS Karna-Flex WB 	Thermoplastic Rubber	502 Elasto-Kote 
			5540 Resat-Mat (Fabric required when making all repairs)	Silicone	670HS Karna-Sil Ultra 
WORN FLASHINGS		Water leaks into roof system—can lead to mold and rot	502MS Karna-Flex 	Acrylic	501 Elasto-Brite 
		Saturated or wet insulation—Leads to loss of R-value	505MS Karna-Flex WB 	Thermoplastic Rubber	502 Elasto-Kote 
		Membrane deterioration—which can lead to premature failure of roof	5540 Resat-Mat (Fabric required when making all repairs)	Silicone	670HS Karna-Sil Ultra 
DETERIORATED SURFACE		Water leaks into roof system—can lead to mold and rot	502MS Karna-Flex 	Acrylic	501 Elasto-Brite 
		Membrane deterioration—which can lead to premature failure of roof	505MS Karna-Flex WB 	Thermoplastic Rubber	502 Elasto-Kote 
			5540 Resat-Mat (Fabric required when making all repairs)	Silicone	670HS Karna-Sil Ultra 
EMERGENCY REPAIR		Water leaks into roof system—can lead to mold and rot	502MS Karna-Flex 	N/A	
		Saturated or wet insulation—Leads to loss of R-value	5540 Resat-Mat (Fabric required when making all repairs)		






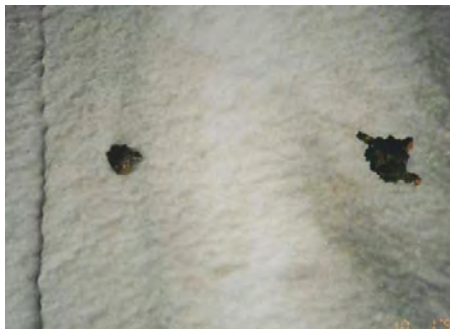



		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT
SPLITS IN ROOF		Water leaks into roof system– Can lead to mold and rot	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		Saturated or wet insulation– Leads to loss of R-value	505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 	
		5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 		
SEAMS OPENING		Water leaks into roof system– Can lead to mold and rot	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		Saturated or wet insulation– Leads to loss of R-value	505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 	
		5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 		
PONDING WATER		Membrane deterioration– which can lead to premature failure of roof	670HS Karna-Sil Ultra 	Thermoplastic Rubber 502 Elasto-Kote 	
				Silicone 670HS Karna-Sil Ultra 	
PUNCTURE HOLES		Water leaks into roof system– Can lead to mold and rot	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		Saturated or wet insulation– Leads to loss of R-value	502MS 505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 	
		5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 		















		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT
WORN FLASHINGS		<p>Water leaks into roof system– Can lead to mold and rot</p> <p>Saturated or wet insulation– Leads to loss of R-value</p> <p>Membrane deterioration, which can lead to premature failure of roof</p>	<p>502MS Karna-Flex</p> <p>502MS 505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	<p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone 670HS Karna-Sil Ultra</p>	
DETERIORATED SURFACE		<p>Membrane deterioration, which can lead to premature failure of roof</p>	<p>502MS Karna-Flex</p> <p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	<p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone 670HS Karna-Sil Ultra</p>	
TENTING		<p>Water leaks into roof system– Can lead to mold and rot</p> <p>Saturated or wet insulation– Leads to loss of R-value</p>	<p>502MS Karna-Flex</p> <p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	<p>Acrylic 501 Elasto-Brite</p> <p>Thermoplastic Rubber 502 Elasto-Kote</p> <p>Silicone 670HS Karna-Sil Ultra</p>	



















		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT	
FASTENER BACKOUT OR FAILURE		Leaks into interior of structure	502MS Karna-Flex		Elastomeric Aluminum 298 Alumin-R	
		Rust formation	505MS Karna-Flex WB		Acrylic 501 Elasto-Brite	
		Saturated or wet insulation (if present)– Leads to loss of R-value	Note: Loose or damaged fasteners must be replaced with new, larger fasteners before using repair product.	Thermoplastic Rubber 502 Elasto-Kote		
				Silicone 670HS Karna-Sil Ultra		
GASKET FAILURE		Leaks into interior of structure	502MS Karna-Flex		Elastomeric Aluminum 298 Alumin-R	
		Water into roof system	505MS Karna-Flex WB		Acrylic 501 Elasto-Brite	
		Promotion of rust	5540 Resat-Mat (Fabric required when making all repairs)	Thermoplastic Rubber 502 Elasto-Kote		
				Silicone 670HS Karna-Sil Ultra		
HORIZONTAL SEAMS FAILURE		Leaks into interior of structure	502MS Karna-Flex		Elastomeric Aluminum 298 Alumin-R	
		Rust formation	505MS Karna-Flex WB		Acrylic 501 Elasto-Brite	
		Saturated or wet insulation (if present)– Leads to loss of R-value	5540 Resat-Mat (Fabric required when making all repairs)	Thermoplastic Rubber 502 Elasto-Kote		
				Silicone 670HS Karna-Sil Ultra		















		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT
VERTICAL SEAMS FAILURE		Leaks into interior of structure	502MS Karna-Flex	Elastomeric Aluminum	298 Alumin-R
		Rust formation	505MS Karna-Flex WB	Acrylic	501 Elasto-Brite
		Saturated or wet insulation (if present)– Leads to loss of R-value	5540 Resat-Mat (For seams with gaps 1/16” or greater secure roof panel and seal using fabric reinforcement)	Thermoplastic Rubber	502 Elasto-Kote
				Silicone	670HS Karna-Sil Ultra
RIDGE CAP FAILURE		Leaks into interior of structure	502MS Karna-Flex	Elastomeric Aluminum	298 Alumin-R
		Rust formation	505MS Karna-Flex WB	Acrylic	501 Elasto-Brite
		Saturated or wet insulation (if present)– Leads to loss of R-value	5540 Resat-Mat (Fabric required when making all repairs)	Thermoplastic Rubber	502 Elasto-Kote
				Silicone	670HS Karna-Sil Ultra
FLASHING FAILURES AT PENETRATIONS, HVAC EQUIPMENT, CURB FLASHINGS		Leaks into interior of structure	502MS Karna-Flex	Elastomeric Aluminum	298 Alumin-R
		Rust formation	505MS Karna-Flex WB	Acrylic	501 Elasto-Brite
		Saturated or wet insulation (if present)– Leads to loss of R-value	5540 Resat-Mat (Fabric required when making all repairs)	Thermoplastic Rubber	502 Elasto-Kote
				Silicone	670HS Karna-Sil Ultra





		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT
RUST HOLES		When rust is this bad, KARNAK products will not work to repair; the panel must be replaced so a roofing professional must be contacted.	N/A	N/A	
EXISTING COATING DETERIORATION		Accelerated deterioration of roof surface Promotion of rust formation	298 Alumin-R (Existing AL Coating) Acrylic (Existing Acrylic Coating) Thermoplastic Rubber (Existing Thermoplastic Rubber Coating) Silicone (Existing Silicone Coating)	Elastomeric Aluminum 298 Alumin-R Acrylic 501 Elasto-Brite Thermoplastic Rubber 502 Elasto-Kote Silicone (Ponding Okay) 670HS Karna-Sil Ultra	   
EMERGENCY REPAIR		Leaks into the interior of structure Previous repair done with improper materials	502MS Karna-Flex 5540 Resat-Mat (Fabric required when making all repairs)	N/A	

		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT
SPLITS IN ROOF		Water leaks into roof system– Can lead to mold and rot	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		Saturated or wet insulation– Leads to loss of R-value	505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 	
		5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 		
EXISTING COATING DETERIORATION		Saturated or wet insulation– Leads to loss of R-value	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 		
		5540 Resat-Mat (Fabric required when making all repairs)	Silicone (Ponding Okay) 670HS Karna-Sil Ultra 		
HOLES		Water leaks into roof system– Can lead to mold and rot	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		Saturated or wet insulation– Leads to loss of R-value	505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 	
		5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 		

		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	FINISH COAT
BLISTERS		Indicates existing moisture in system	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		Water leaks into roof system– Can lead to mold and rot	505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 	
		Saturated or wet insulation– Leads to loss of R-value	5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 	
PONDING WATER		Membrane deterioration– which can lead to premature failure of roof rot	502MS Karna-Flex 	Thermoplastic Rubber 502 Elasto-Kote 	
			5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 	
EMERGENCY REPAIR		Water leaks into roof system– Can lead to mold and rot	502MS Karna-Flex 	Thermoplastic Rubber 502 Elasto-Kote 	
		Saturated or wet insulation– Leads to loss of R-value	5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 	

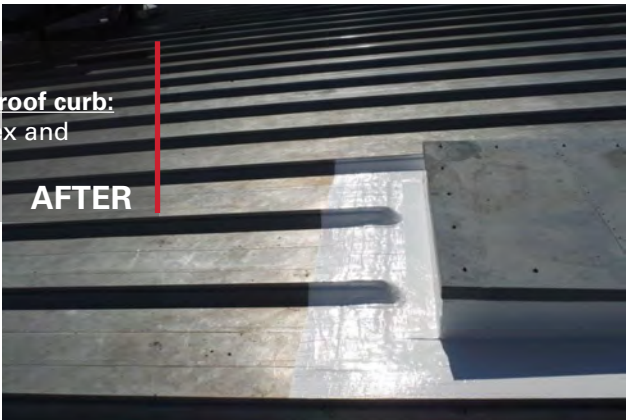
		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	TOP COAT
CRACKS		Water leaks into roof system– Can lead to mold and rot	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		Saturated or wet insulation– Leads to loss of R-value	505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 	
		5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 		
SPALLING		Accelerated deterioration of concrete	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 		
		5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 		
DETERIORATED SURFACE		Accelerated deterioration of concrete	502MS Karna-Flex 	Acrylic 501 Elasto-Brite 	
		505MS Karna-Flex WB 	Thermoplastic Rubber 502 Elasto-Kote 		
		5540 Resat-Mat (Fabric required when making all repairs)	Silicone 670HS Karna-Sil Ultra 		

		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	TOP COAT
PONDING WATER		Accelerated deterioration of roof surface	502MS Karna-Flex 5540 Resat-Mat (Fabric required when making all repairs)	 	Thermoplastic Rubber 502 Elasto-Kote  Silicone 670HS Karna-Sil Ultra 
EXISTING COATING DETERIORATION		Accelerated deterioration of roof surface	502MS Karna-Flex 5540 Resat-Mat (Fabric required when making all repairs)	 	Acrylic (No ponding) 501 Elasto-Brite  Thermoplastic Rubber 502 Elasto-Kote  Silicone (Ponding Okay) 670HS Karna-Sil Ultra 
EMERGENCY REPAIR		Water leaks into roof system– Can lead to mold and rot Saturated or wet insulation– Leads to loss of R-value	502MS Karna-Flex 5540 Resat-Mat (Fabric required when making all repairs)	 	N/A

		POTENTIAL DAMAGE IMPLICATIONS	REPAIR PRODUCT SOLUTIONS	RESTORATION SYSTEM SOLUTIONS	TOP COAT
CRACKED COPINGS		<p>Damage to internal wall structure</p> <p>Roof leaks</p> <p>Other parapet wall issues (e.g. internal cracks and weaknesses)</p>	<p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	Contact KARNAK for best option	
CRACKED MASONRY WALL		<p>Damage to internal wall structure</p> <p>Roof leaks</p> <p>Other parapet wall issues (e.g. internal cracks and weaknesses)</p>	<p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	Contact KARNAK for best option	
POROUS WALL		<p>Damage to internal wall structure</p> <p>Roof leaks</p> <p>Other parapet wall issues (e.g. internal cracks and weaknesses)</p>	<p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	Contact KARNAK for best option	
SPALLING		<p>Damage to internal wall structure</p> <p>Roof leaks</p> <p>Other parapet wall issues (e.g. internal cracks and weaknesses)</p>	<p>505MS Karna-Flex WB</p> <p>5540 Resat-Mat (Fabric required when making all repairs)</p>	Contact KARNAK for best option	



BEFORE
Repair on metal roof curb:
502MS Karna-Flex and
Resat-Mat



AFTER



BEFORE
Gutter lining repair:
502MS Karna-Flex



AFTER



BEFORE
Metal vent stack:
502MS Karna-Flex and
Resat-Mat



AFTER



BEFORE
Mod Bit seam repair:
229AR Elastomeric Asphalt



AFTER



BEFORE
Pitch pan repair:
298 Alumin-R Finish Coat



AFTER



BEFORE
Drain repair: Karna-Flex WB +
405 Bond-N-Shield +
505HS Mohave Coat White



AFTER

KARNAK

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