



**Sure-Seal AFX EPDM
Sure-Weld AFX TPO
Sure-Flex KEE HP FleeceBACK**

Cold Applied Adhered Roofing System

Code Approval Guide
January 2024

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FM Approvals
Design “A” Adhered Roofing Systems
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SecurShield HD Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
Min. 1-1/2" InsulBase Polyiso or SecurShield	Loose laid	1/2" SecurShield HD	12 (2.67 sq. ft)	1-75	-	-	-
Min. 1-1/2" InsulBase Polyiso or SecurShield	Loose laid	1/2" SecurShield HD	16 (2 sq. ft)	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	10 (3.2 sq. ft.)	1/2" SecurShield HD	6" ribbons of FAST	1-90	-	-	-
Min. 2" InsulBase Polyiso	8 (4 sq. ft)	1/2" SecurShield HD	6" ribbons of FAST	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	18 (1.8 sq. ft.)	1/2" SecurShield HD	6" ribbons of FAST	1-105	-	-	-
Min. 1-1/2" InsulBase Polyiso	24 (1.33 sq. ft.)	1/2" SecurShield HD	6" ribbons of FAST	1-150	-	-	-
Min. 1-1/2" InsulBase Polyiso	24 (1.33 sq. ft.)	1/2" SecurShield HD	4" ribbons FAST	1-165	-	-	-
Min. 1/2" DensDeck Prime or Securock	16 (2 sq. ft.)	1/2" SecurShield HD over InsulBase Polyiso	6" ribbons of FAST	1-90	-	-	-
Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with Cav-Grip III or 702 Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" SecurShield HD over InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/2" SecurShield HD over InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck (Min. 22 Gauge)/SureMB 70 SA with Cav-Grip III Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" SecurShield HD over InsulBase Polyiso	12" ribbons of FAST	1-90	Pending	Pending	Pending
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/2" SecurShield HD over InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120TG Base Torch Applied							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" SecurShield HD over InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/2" SecurShield HD over InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Concrete Deck							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	1/2" SecurShield HD	12" ribbons of FAST	1-225	-	-	-
Min. 1/2" InsulBase Polyiso	Hot Asphalt	1/2" SecurShield HD	Hot Asphalt	1-240	-	-	-
Concrete Deck/VapAir Seal 725TR with Cav-Grip III, 702 LV or 702 Primer							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	1/2" SecurShield HD	12" ribbons of FAST	1-225	-	-	-
Concrete Deck/SureMB 70 SA with Cav-Grip III Primer							
Min. 1/2" InsulBase Polyiso or Min. 1-1/2" SecurShield	12" ribbons of FAST	1/2" SecurShield HD	12" ribbons of FAST	1-240	Pending	Pending	Pending
Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer							
Min. 1/2" InsulBase Polyiso or Min. 1-1/2" SecurShield	12" ribbons of FAST	1/2" SecurShield HD	12" ribbons of FAST	1-240	-	-	-

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

SecurShield HD Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Gypsum Deck Tear-Off							
Min. 1/2" InsulBase Polyiso or Min. 1-1/2" SecurShield	12" ribbons of FAST	1/2" SecurShield HD	12" ribbons of FAST	1-90	-	-	-
Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge)							
FM Approved	Loose laid	1/2" SecurShield HD	12 (2.67 sq. ft)	1-75	-	-	-
FM Approved	Loose laid	1/2" SecurShield HD	16 (2 sq. ft)	1-90	-	-	-
-	-	1/2" SecurShield HD	12 (2.67 sq. ft)	1-75	-	-	-
-	-	1/2" SecurShield HD	16 (2 sq. ft)	1-90	-	-	-

FM Approvals
Design "A" Adhered Roofing Systems
Cold Applied Adhered Roofing System

SecurShield HD Ratings - Recover

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
-	-	1/2" SecurShield HD	12 (2.67 sq. ft)	1-75	-	-	-
-	-	1/2" SecurShield HD	16 (2 sq. ft)	1-90	-	-	-
-	-	1/2" SecurShield HD	6" ribbons of FAST	1-90	-	-	-
-	-	1/2" SecurShield HD	4" ribbons of FAST	1-150	-	-	-
Concrete Deck							
Min. 1/2" InsulBase Polyiso	6" ribbons of FAST	1/2" SecurShield HD	6" ribbons of FAST	1-150	-	-	-
-	-	1/2" SecurShield HD	6" ribbons of FAST	1-150	-	-	-
Gypsum Deck							
-	-	1/2" SecurShield HD	6" ribbons of FAST	1-90	-	-	-

Note: Recover approvals in this document are based on the following existing roofing system assumption - the existing Smooth Asphalt BUR or Modified Bitumen was FM Approved at the time of insulation.

FM Approvals
Design "A" Adhered Roofing Systems
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SecurShield HD Plus Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
Min. 1-1/2" InsulBase Polyiso or SecurShield	Loose laid	1/2" SecurShield HD Plus	8 (4 sq. ft)	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso or SecurShield	Loose laid	1/2" SecurShield HD Plus	18 (1.8 sq. ft)	1-120	-	-	-
Min. 1-1/2" InsulBase Polyiso or SecurShield	Loose laid	1/2" SecurShield HD Plus	24 (1.33 sq. ft)	1-150	-	-	-
Min. 1-1/2" InsulBase Polyiso or SecurShield	Loose laid	1/2" SecurShield HD Plus	24 (1.33 sq. ft)	1-225	-	-	-
Min. 1-1/2" InsulBase Polyiso or SecurShield	10 (3.2 sq. ft.)	1/2" SecurShield HD Plus	6" ribbons of FAST	1-90	-	-	-
Min. 2" InsulBase Polyiso	8 (4 sq. ft)	1/2" SecurShield HD Plus	6" ribbons of FAST	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	18 (1.8 sq. ft.)	1/2" SecurShield HD Plus	6" ribbons of FAST	1-105	-	-	-
Min. 1-1/2" InsulBase Polyiso	24 (1.33 sq. ft.)	1/2" SecurShield HD Plus	4" ribbons of FAST	1-150	-	-	-
Min. 1-1/2" InsulBase Polyiso	24 (1.33 sq. ft.)	1/2" SecurShield HD Plus	4" ribbons of FAST	1-165	-	-	-
Min. 1/2" DensDeck Prime or Securock	16 (2 sq. ft.)	1/2" SecurShield HD Plus over InsulBase Polyiso	6" ribbons of FAST	1-90	-	-	-
Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with Cav-Grip III or 702 Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" SecurShield HD Plus over InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/2" SecurShield HD Plus over InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck (Min. 22 Gauge)SureMB 70 SA with Cav-Grip III Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" SecurShield HD Plus over InsulBase Polyiso	12" ribbons of FAST	1-90	Pending	Pending	Pending
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/2" SecurShield HD Plus over InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck (Min. 22 Gauge)SureMB 90TG or 120 TG Base Torch Applied							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" SecurShield HD Plus over InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-

FM Approvals
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SecurShield HD Plus Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/2" SecurShield HD Plus over InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Concrete Deck							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	1/2" SecurShield HD Plus	12" ribbons of FAST	1-225	-	-	-
Min. 1/2" InsulBase Polyiso	Hot Asphalt	1/2" SecurShield HD Plus	Hot Asphalt	1-240	-	-	-
Concrete Deck/VapAir Seal 725TR with Cav-Grip III, 702 LV or 702 Primer							
Min. 1/2" InsulBase Polyiso or Min. 1-1/2" SecurShield	12" ribbons of FAST	1/2" SecurShield HD Plus	12" ribbons of FAST	1-255	-	-	-
Concrete Deck/SureMB 70 AS with Cav-Grip III Primer							
Min. 1/2" InsulBase Polyiso or Min. 1-1/2" SecurShield	12" ribbons of FAST	1/2" SecurShield HD Plus	12" ribbons of FAST	1-240	Pending	Pending	Pending
Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer							
Min. 1/2" InsulBase Polyiso or Min. 1-1/2" SecurShield	12" ribbons of FAST	1/2" SecurShield HD Plus	12" ribbons of FAST	1-240	-	-	-
Gypsum Deck Tear-Off							
Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	1/2" SecurShield HD Plus	12" ribbons of FAST	1-90	-	-	-
(Celcore) Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge)							
FM Approved	Loose laid	1/2" SecurShield HD Plus	12 (2.67 sq. ft)	1-75	-	-	-
FM Approved	Loose laid	1/2" SecurShield HD Plus	16 (2 sq. ft)	1-90	-	-	-
-	-	1/2" SecurShield HD Plus	12 (2.67 sq. ft)	1-75	-	-	-
-	-	1/2" SecurShield HD Plus	16 (2 sq. ft)	1-90	-	-	-

FM Approvals
Design "A" Adhered Roofing Systems
Cold Applied Adhered Roofing System

SecurShield HD Plus Ratings - Recover

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
-	-	1/2" SecurShield HD Plus	8 (4 sq. ft)	1-90	-	-	-
-	-	1/2" SecurShield HD Plus	6" ribbons of FAST	1-90	-	-	-
-	-	1/2" SecurShield HD Plus	4" ribbons of FAST	1-150	-	-	-
Concrete Deck							
Min. 1/2" InsulBase Polyiso	6" ribbons of FAST	1/2" SecurShield HD Plus	6" ribbons of FAST	1-150	-	-	-
-	-	1/2" SecurShield HD Plus	6" ribbons of FAST	1-150	-	-	-
Gypsum Deck							
Min. 1-1/2" InsulBase Polyiso	Full-Coverage FAST	1/2" SecurShield HD Plus	Full-Coverage FAST	1-90	-	-	-

Note: Recover approvals in this document are based on the following existing roofing system assumption - the existing Smooth Asphalt BUR or Modified Bitumen was FM Approved at the time of insulation.

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

InsulBase Polyiso Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
Min. 1-1/2" InsulBase Polyiso	16 (2 sq. ft)	-	-	1-90	188327-0-0	188381-0-0	-
Min. 2" InsulBase Polyiso	8 (4 sq. ft)	-	-	1-90	188343-0-0	188408-0-0	-
Min. 2" InsulBase Polyiso	20 (1.6 sq. ft)	-	-	1-150	132160-0-0	-	-
Min. 1-1/2" InsulBase Polyiso	10 (3.2 sq. ft.)	1-1/2" InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 2" InsulBase Polyiso	8 (4 sq. ft)	Min. 2" InsulBase Polyiso	12" ribbons of FAST	1-90	188340-0-0	188401-0-0	-
Min. 1-1/2" InsulBase Polyiso	18 (1.8 sq. ft.)	1-1/2" InsulBase Polyiso	6" ribbons of FAST	1-105	-	-	-
Min. 1-1/2" InsulBase Polyiso	24 (1.33 sq. ft.)	1-1/2" InsulBase Polyiso	4" ribbons of FAST	1-165	-	-	-
Min. 1/2" Dens-Deck Prime or Securock	16 (2 sq. ft.)	1-1/2" InsulBase Polyiso	12" ribbons of FAST	1-90	181156-0-0	181160-0-0	-
Steel Deck with VapAir Seal 725 TR and Cav-Grip III or 702 Primer							
Min. 1/2" Dens-Deck Prime or Securock	8 (4 sq. ft.)	1-1/2" InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" Dens-Deck Prime or Securock	20 (1.6 sq. ft.)	1-1/2" InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck with SureMB 70 SA and Cav-Grip III Primer							
Min. 1/2" Dens-Deck Prime or Securock	8 (4 sq. ft.)	1-1/2" InsulBase Polyiso	12" ribbons of FAST	1-90	Pending	Pending	Pending
Min. 1/2" Dens-Deck Prime or Securock	20 (1.6 sq. ft.)	1-1/2" InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck with SureMB 90TG or 120 TG Base Torch Applied							
Min. 1/2" Dens-Deck Prime or Securock	8 (4 sq. ft.)	1-1/2" InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" Dens-Deck Prime or Securock	20 (1.6 sq. ft.)	1-1/2" InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Concrete Deck							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	-	-	1-315	-	279652-0-0	-
Min. 1/2" InsulBase Polyiso	Hot Asphalt	-	-	1-315	-	279652-0-0	-

FM Approvals
Design “A” Adhered Roofing Systems
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InsulBase Polyiso Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Concrete Deck with VapAir Seal 725 TR and Cav-Grip III / 702-LV / 702 Primer							
Min. 1-1/2" InsulBase Polyiso	Full-Coverage FAST	-	-	1-255	-	-	-
Concrete Deck with SureMB 70 SA with Cav-Grip III Primer							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	InsulBase Polyiso	12" ribbons of FAST	1-285	Pending	Pending	Pending
Concrete Deck with SureMB 90TG and 120TG Base Torch Applied/Cut-Back Asphalt Primer							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	InsulBase Polyiso	12" ribbons of FAST	1-330	-	-	-
1-1/2" InsulBase Polyiso	Full-Coverage FAST	-	-	1-195	-	392319-0-0	-
Gypsum Deck Tear-Off							
Min. 1-1/2" InsulBase Polyiso	16 (2 sq. ft)	-	-	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	-	-	1-90	-	-	-
(Celcore) Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge)							
1-1/2" InsulBase Polyiso	16 (2 sq. ft)	-	-	1-90	-	-	-
2" InsulBase Polyiso	8 (4 sq. ft)	-	-	1-90	-	-	-
2" InsulBase Polyiso	20 (1.6 sq. ft)	-	-	1-150	-	-	-

FM Approvals
Design "A" Adhered Roofing Systems
Cold Applied Adhered Roofing System

InsulBase Polyiso Ratings - Recover

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
1" InsulBase Polyiso	20 (1.6 sq. ft)	-	-	1-90	-	-	-
1" InsulBase Polyiso	6" ribbons of FAST	-	-	1-90	-	-	-
Concrete Deck							
1/2" InsulBase Polyiso	12" ribbons of FAST	-	-	1-90	-	-	-
Gypsum Deck							
1" InsulBase Polyiso	20 (1.6 sq. ft)	-	-	1-90	-	-	-
1" InsulBase Polyiso	Full-Coverage FAST	-	-	1-90	-	-	-

Note: Recover approvals in this document are based on the following existing roofing system assumption - the existing Smooth Asphalt BUR or Modified Bitumen was FM Approved at the time of insulation.

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

SecurShield and SecurShield HD Composite Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
Min. 1-1/2" SecurShield or SecurShield HD Composite	16 (2 sq. ft.)	-	-	1-90	-	-	-
Min. 2" SecurShield or SecurShield HD Composite	8 (4 sq. ft.)	-	-	1-90	-	-	-
Min. 2" SecurShield or SecurShield HD Composite	20 (1.6 sq. ft.)	-	-	1-150	-	-	-
Min. 2" SecurShield Only	32 (1 sq. ft.)	-	-	1-225	-	-	-
Min. 1-1/2" InsulBase Polyiso	10 (3.2 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	1-90	-	-	-
Min. 2" InsulBase Polyiso or SecurShield	8 (4 sq. ft.)	Min. 2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	18 (1.8 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	6" ribbons of FAST	1-105	-	-	-
Min. 1-1/2" InsulBase Polyiso	24 (1.33 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	4" ribbons of FAST	1-165	-	-	-
Min. 1/2" DensDeck Prime or Securock	16 (2 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	6" ribbons of FAST	1-90	-	-	-
Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with Cav-Grip III or 702 Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck (Min. 22 Gauge)SureMB 70 SA with Cav-Grip III Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	1-90	Pending	Pending	Pending
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120 TG Base Torch Applied							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	Min. 1-1/2" SecurShield or SecurShield HD Composite	6" ribbons of FAST	1-135	Pending	Pending	Pending

FM Approvals
Design "A" Adhered Roofing Systems
Cold Applied Adhered Roofing System

SecurShield and SecurShield HD Composite Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Concrete Deck							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	1-225	-	-	-
Min. 2" SecurShield or SecurShield HD Composite	Hot Asphalt	-	-	1-300	-	-	-
Concrete Deck/VapAir Seal 725TR with Cav-Grip III, 702 LVor 702 Primer							
Min. 1/2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	-	-	1-255	-	-	-
Concrete Deck/SureMB 70 SA with Cav-Grip III Primer							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	1-285	Pending	Pending	Pending
Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	1-330	-	-	-
Gypsum Deck Tear-Off							
Min. 1-1/2" SecurShield or SecurShield HD Composite	16 (2 sq. ft)	-	-	1-90	-	-	-
Min. 1-1/2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	-	-	1-90	-	-	-
Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge)							
Min. 1-1/2" SecurShield or SecurShield HD Composite	16 (2 sq. ft)	-	-	1-75	-	-	-
Min. 2" SecurShield or SecurShield HD Composite	8 (4 sq. ft)	-	-	1-90	-	-	-
Min. 2" SecurShield or SecurShield HD Composite	20 (1.6 sq. ft.)	-	-	1-150	-	-	-
Min. 2" SecurShield or SecurShield HD Composite	32 (1 sq. ft.)	-	-	1-225	-	-	-

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

SecurShield Ratings - Recover

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
1" SecurShield	20 (1.6 sq. ft)	-	-	1-90	-	-	-
Concrete Deck							
1/2" SecurShield	12" ribbons of FAST or Dual Tank	-	-	1-90	-	-	-
Gypsum Deck							
1" SecurShield	20 (1.6 sq. ft)	-	-	1-90	-	-	-
1" SecurShield	Full-Coverage FAST	-	-	1-90	-	-	-

Note: Recover approvals in this document are based on the following existing roofing system assumption - the existing Smooth Asphalt BUR or Modified Bitumen was FM Approved at the time of insulation.

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

Securock Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
FM Approved	Loose laid	Min. 1/4" Securock	12 (2.66 sq. ft)	1-75	-	-	-
FM Approved	Loose laid	Min. 1/2" Securock	10 (3.2 sq. ft)	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/4" Securock	10 (3.2 sq. ft) SecurFAST Plate	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 5/8" Securock	8 (4 sq. ft) SecurFAST Plate	1-90	-	-	-
FM Approved	Loose laid	Min. 5/8" Securock	8 (4 sq. ft)	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/2" Securock	8 (4 sq. ft) SecurFAST Plate	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/2" Securock	6 (5.33 sq. ft) SecurFAST Plate	1-75	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 5/8" Securock	6 (5.33 sq. ft) SecurFAST Plate	1-90	-	-	-
FM Approved	Loose laid	Min. 1/2" Securock	20 (1.6 sq. ft)	1-150	-	-	-
FM Approved	Loose laid	Min. 1/2" Securock	32 (1 sq. ft)	1-255	-	-	-
Min. 1-1/2" InsulBase Polyiso	10 (3.2 sq. ft.)	Min. 1/4" Securock	6" ribbons of FAST	1-90	-	-	-
Min. 2" InsulBase Polyiso	8 (4 sq. ft)	Min. 1/4" Securock	12" ribbons of FAST	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	18 (1.8 sq. ft.)	Min. 1/4" Securock	6" ribbons of FAST	1-105	-	-	-
Min. 1-1/2" InsulBase Polyiso	24 (1.33 sq. ft.)	Min. 1/4" Securock	4" ribbons of FAST	1-165	-	-	-
Min. 1/2" DensDeck Prime or 5/8" Securock	16 (2 sq. ft.)	Min. 1/4" Securock over 1-1/2" InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Steel Deck (Min. 22-Gauge) with VapAir Seal 725TR and Cav-Grip III or 702 Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	Min. 1/4" Securock over Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	Min. 1/4" Securock over Min. 1-1/2" InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck (Min. 22-Gauge) with SureMB 70 SA and Cav-Grip III Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	Min. 1/4" Securock over Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	1-90	Pending	Pending	Pending
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	Min. 1/4" Securock over Min. 1-1/2" InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

Securock Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22-Gauge) with SureMB 90TG and 120TG Base Torch Applied							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	Min. 1/4" Securock over Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	Min. 1/4" Securock over Min. 1-1/2" InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" Securock	12" ribbons of FAST	1-315	-	-	-
Min. 1/2" InsulBase Polyiso	Hot Asphalt	Min. 1/4" Securock	Hot Asphalt	1-300	-	-	-
Concrete Deck with VapAir Seal 725TR and Cav-Grip III, 702-LV or 702 Primer							
Min. 1-1/2" InsulBase Polyiso	Full-Coverage FAST	Min. 1/4" Securock	12" ribbons of FAST	1-255	-	-	-
Concrete Deck with SureMB 70 SA with Cav-Grip III Primer							
Min. 1-1/2" InsulBase Polyiso	Full-Coverage FAST	Min. 1/4" Securock	12" ribbons of FAST	1-255	-	-	-
Concrete Deck with SureMB 90TG and 120TG Base Torch Applied/Cut-Back Asphalt Primer							
Min. 1-1/2" InsulBase Polyiso	Full-Coverage FAST	Min. 1/4" Securock	12" ribbons of FAST	1-255	-	-	-
Gypsum Deck Tear-Off							
Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" Securock	12" ribbons of FAST	1-90	-	-	-
(Celcore) Cellular Lightweight Insulating Concrete Over Steel Decking (Min. 22 Gauge)							
FM Approved	Loose laid	Min. 1/4" Securock	12 (2.67 sq. ft)	1-75	-	-	-
FM Approved	Loose laid	Min. 1/2" Securock	10 (3.2 sq. ft)	1-90	-	-	-
FM Approved	Loose laid	Min. 5/8" Securock	8 (4 sq. ft)	1-90	-	-	-
FM Approved	Loose laid	Min. 1/2" Securock	20 (1.6 sq. ft)	1-150	-	-	-
FM Approved	Loose laid	Min. 1/2" Securock	32 (1 sq. ft)	1-255	-	-	-

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

Securock Ratings - Recover

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Concrete Deck							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" Securock	12" ribbons of FAST	1-90	-	-	-

Note: Recover approvals in this document are based on the following existing roofing system assumption - the existing Smooth Asphalt BUR or Modified Bitumen was FM Approved at the time of insulation.

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

DensDeck Prime - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
FM Approved	Loose laid	Min. 1/4" DensDeck Prime	12 (2.67 sq. ft)	1-90	-	-	-
FM Approved	Loose laid	Min. 1/2" DensDeck Prime	10 (3.2 sq. ft)	1-90	-	-	-
FM Approved	Loose laid	Min. 5/8" DensDeck Prime	8 (4 sq. ft)	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/2" DensDeck Prime	8 (4 sq.ft)	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/4" DensDeck Prime	18 (1.8 sq. ft)	1-105	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/2" DensDeck Prime	18 (1.8 sq. ft)	1-135	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/2" DensDeck Prime	20 (1.6 sq. ft)	1-150	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/2" DensDeck Prime	32 (1 sq. ft)	1-165	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/2" DensDeck Prime	32 (1 sq. ft)	1-180	-	-	-
Min. 1-1/2" InsulBase Polyiso	Loose laid	Min. 1/2" DensDeck Prime	32 (1 sq. ft)	1-255	-	-	-
Min. 1-1/2" InsulBase Polyiso	10 (3.2 sq. ft.)	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-90	-	-	-
Min. 2" InsulBase Polyiso	8 (4 sq. ft)	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-90	188350-0-0	-	-
Min. 1-1/2" InsulBase Polyiso	18 (1.8 sq. ft.)	Min. 1/4" DensDeck Prime	6" ribbons of FAST	1-105	-	-	-
Min. 1-1/2" InsulBase Polyiso	24 (1.33 sq. ft.)	Min. 1/4" DensDeck Prime	4" ribbons of FAST	1-165	-	-	-
Min. 1/2" DensDeck Prime or Securock	16 (2 sq. ft.)	1/4" DensDeck Prime over InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Steel Deck with VapAir Seal 725 TR and Cav-Grip III or 702 Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/4" DensDeck Prime over InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/4" DensDeck Prime over InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck with SureMB 70 SA and Cav-Grip III Primer							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/4" DensDeck Prime over InsulBase Polyiso	12" ribbons of FAST	1-90	Pending	Pending	Pending
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/4" DensDeck Prime over InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending
Steel Deck with SureMB 90TG or 120TG Base Torch Applied							
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/4" DensDeck Prime over InsulBase Polyiso	12" ribbons of FAST	1-90	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/4" DensDeck Prime over InsulBase Polyiso	6" ribbons of FAST	1-135	Pending	Pending	Pending

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

DensDeck Prime - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Concrete Deck							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-315	-	-	-
Min. 1/2" InsulBase Polyiso	Hot Asphalt	Min. 1/4" DensDeck Prime	Hot Asphalt	1-300	-	-	-
Concrete Deck with VapAir Seal 725 TR and Cav-Grip III / 702-LV / 702 Primer							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-255	-	-	-
Concrete Deck with SureMB 70 SA and Cav-Grip III Primer							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-285	Pending	Pending	Pending
Concrete Deck with SureMB 90TG and 120TG Base Torch Applied/Cut-Back Asphalt Primer							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-330	-	-	-
Gypsum Deck Tear-Off							
Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-90	-	-	-
Cellular Lightweight Insulating Concrete Over Steel Decking							
FM Approved	Loose laid	Min. 1/4" DensDeck Prime	12 (2.67 sq. ft)	1-90	-	-	-
FM Approved	Loose laid	Min. 1/2" DensDeck Prime	10 (3.2 sq. ft)	1-90	-	-	-
FM Approved	Loose laid	Min. 5/8" DensDeck Prime	8 (4 sq. ft)	1-90	-	-	-

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

DensDeck Prime Ratings - Recover

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base and Top Layer Adhesive: FAST = Flexible FAST and Flexible FAST Dual Tank

Base Insulation Layer	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Concrete Deck							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-90	-	-	-

Note: Recover approvals in this document are based on the following existing roofing system assumption - the existing Smooth Asphalt BUR or Modified Bitumen was FM Approved at the time of insulation.

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

HP Recovery Board Ratings - New Construction

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck (Min. 22 Gauge)							
FM Approved	Loose laid	Min. 1/2" HP Recovery Board	16 (2 sq. ft)	1-90	132147-0-0	132157-0-0	375600-0-0
Concrete Deck							
Min. 1/2" InsulBase Polyiso	Hot Asphalt	Min. 1/2" HP Recovery Board	Hot Asphalt	1-300	-	-	-
Cellular Lightweight Insulating Concrete Over Steel Decking							
FM Approved	Loose laid	Min. 1/2" HP Recovery Board	16 (2 sq. ft)	1-90	-	-	-

FM Approvals
Design “A” Adhered Roofing Systems
Cold Applied Adhered Roofing System

HP Recovery Board Ratings - Recover

Membrane Type: Sure-Seal AFX EPDM or AFX Plus Membrane
Sure-Weld AFX TPO or AFX Plus Membrane
Sure-Flex KEE HP FleeceBACK Membrane

Membrane Adhesive: Cold Applied Adhesive

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 1, 2 & 3)	Rating	Sure-Seal AFX	Sure-Weld AFX	Sure-Flex KEE HP FleeceBACK
					RoofNAV Number		
Steel Deck							
Min. 1/2" InsulBase Polyiso	Loose Laid	Min. 1/2" HP Recovery Board	16 (2 sq. ft.)	1-90	-	-	-

Note: Recover approvals in this document are based on the following existing roofing system assumption - the existing Smooth Asphalt BUR or Modified Bitumen was FM Approved at the time of insulation.

Sure-Seal/Sure-Weld/Sure-Flex
Cold Applied Adhered Roofing System

Reference Notes

1. Sure-Seal HP fastener/Sure-Seal Insulation plate.
2. InsulFAST fastener/Sure-Seal Insulation plate.
3. InsulFAST fastener/SecurFAST Insulation Fastening plate.

Carlisle SynTec Systems, a division of Carlisle Construction Materials LLC

(800)-4SYNTEC (800-479-6832)

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