



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

**Cold Applied Adhered Roofing System**

**Code Approval Guide**

April 2022

**Table of Contents**

**FM Approvals:**

SecurShield HD New Construction.....	2-3
SecurShield HD Recover.....	4
SecurShield HD Plus New Construction.....	5-6
SecurShield HD Plus Recover.....	7
InsulBase Polyiso New Construction.....	8-9
InsulBase Polyiso Recover.....	10
SecurShield and SecurShield HD Composite New Construction.....	11-12
SecurShield Recover.....	13
Securock New Construction.....	14-15
Securock Recover.....	16
DensDeck Prime New Construction.....	17-18
DensDeck Prime Recover.....	19
HP Recovery Board New Construction.....	20
HP Recovery Board Recover.....	21

<b>Reference Notes.....</b>	<b>22</b>
-----------------------------	-----------



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		
<b>Steel Deck (Min. 22 Gauge)</b>							
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	-	-	-
<b>Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with Cav-Grip III or 702 Primer</b>							
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
<b>Steel Deck (Min. 22 Gauge)/SureMB 70 SA with Cav-Grip III Primer</b>							
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
<b>Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120TG Base Torch Applied</b>							
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
<b>Concrete Deck</b>							
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	-	-	-
<b>Concrete Deck/VapAir Seal 725TR with Cav-Grip III, 702 LV or 702 Primer</b>							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	1/2" SecurShield HD	12" ribbons of FAST	1-225	-	-	-
<b>Concrete Deck/SureMB 70 SA with Cav-Grip III Primer</b>							
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
<b>Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer</b>							
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		
<b>Gypsum Deck Tear-Off</b>							
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	-	-	-
<b>Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge)</b>							
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  
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**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		
<b>Steel Deck (Min. 22 Gauge)</b>							
-	-	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	-	-	-
<b>Concrete Deck</b>							
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	-	-	-
<b>Gypsum Deck</b>							
-	-	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  
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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		
<b>Steel Deck (Min. 22 Gauge)</b>							
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	-	-	-
<b>Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with Cav-Grip III or 702 Primer</b>							
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
<b>Steel Deck (Min. 22 Gauge)SureMB 70 SA with Cav-Grip III Primer</b>							
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
<b>Steel Deck (Min. 22 Gauge)SureMB 90TG or 120 TG Base Torch Applied</b>							
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
<b>Concrete Deck</b>							
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	-	-	-
<b>Concrete Deck/VapAir Seal 725TR with Cav-Grip III, 702 LV or 702 Primer</b>							
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	-	-	-
<b>Concrete Deck/SureMB 70 AS with Cav-Grip III Primer</b>							
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
<b>Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer</b>							
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	-	-	-
<b>Gypsum Deck Tear-Off</b>							
Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	1/2" SecurShield HD Plus	12" ribbons of FAST	1-90	-	-	-
<b>(Celcore) Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge)</b>							
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  
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**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		
<b>Steel Deck (Min. 22 Gauge)</b>							
-	-	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	-	-	-
<b>Concrete Deck</b>							
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	-	-	-
<b>Gypsum Deck</b>							
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		
<b>Steel Deck (Min. 22 Gauge)</b>							
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	-
<b>Steel Deck with VapAir Seal 725 TR and Cav-Grip III or 702 Primer</b>							
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
<b>Steel Deck with SureMB 70 SA and Cav-Grip III Primer</b>							
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
<b>Steel Deck with SureMB 90TG or 120 TG Base Torch Applied</b>							
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
<b>Concrete Deck</b>							
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	-



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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		
<b>Concrete Deck with VapAir Seal 725 TR and Cav-Grip III / 702-LV / 702 Primer</b>							
Min. 1-1/2" InsulBase Polyiso	Full-Coverage FAST	-	-	1-255	-	-	-
<b>Concrete Deck with SureMB 70 SA with Cav-Grip III Primer</b>							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	InsulBase Polyiso	12" ribbons of FAST	1-285	Pending	Pending	Pending
<b>Concrete Deck with SureMB 90TG and 120TG Base Torch Applied/Cut-Back Asphalt Primer</b>							
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	-
<b>Gypsum Deck Tear-Off</b>							
Min. 1-1/2" InsulBase Polyiso	16 (2 sq. ft)	-	-	1-90	-	-	-
Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	-	-	1-90	-	-	-
<b>(Celcore) Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge)</b>							
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  
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**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		
<b>Steel Deck (Min. 22 Gauge)</b>							
1" InsulBase Polyiso	20 (1.6 sq. ft)	-	-	1-90	-	-	-
1" InsulBase Polyiso	6" ribbons of FAST	-	-	1-90	-	-	-
<b>Concrete Deck</b>							
1/2" InsulBase Polyiso	12" ribbons of FAST	-	-	1-90	-	-	-
<b>Gypsum Deck</b>							
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		
<b>Steel Deck (Min. 22 Gauge)</b>							
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	-	-	-
<b>Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with Cav-Grip III or 702 Primer</b>							
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
<b>Steel Deck (Min. 22 Gauge)SureMB 70 SA with Cav-Grip III Primer</b>							
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
<b>Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120 TG Base Torch Applied</b>							
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		
<b>Concrete Deck</b>							
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	-	-	-
<b>Concrete Deck/VapAir Seal 725TR with Cav-Grip III, 702 LVor 702 Primer</b>							
Min. 1/2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	-	-	1-255	-	-	-
<b>Concrete Deck/SureMB 70 SA with Cav-Grip III Primer</b>							
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
<b>Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer</b>							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 2" SecurShield or SecurShield HD Composite	12" ribbons of FAST	1-330	-	-	-
<b>Gypsum Deck Tear-Off</b>							
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	-	-	-
<b>Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge)</b>							
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		
<b>Steel Deck (Min. 22 Gauge)</b>							
1" SecurShield	20 (1.6 sq. ft)	-	-	1-90	-	-	-
<b>Concrete Deck</b>							
1/2" SecurShield	12" ribbons of FAST or Dual Tank	-	-	1-90	-	-	-
<b>Gypsum Deck</b>							
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		
<b>Steel Deck (Min. 22 Gauge)</b>							
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	-	-	-
<b>Steel Deck (Min. 22-Gauge) with VapAir Seal 725TR and Cav-Grip III or 702 Primer</b>							
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
<b>Steel Deck (Min. 22-Gauge) with SureMB 70 SA and Cav-Grip III Primer</b>							
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		
<b>Steel Deck (Min. 22-Gauge) with SureMB 90TG and 120TG Base Torch Applied</b>							
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	-	-	-
<b>Concrete Deck with VapAir Seal 725TR and Cav-Grip III, 702-LV or 702 Primer</b>							
Min. 1-1/2" InsulBase Polyiso	Full-Coverage FAST	Min. 1/4" Securock	12" ribbons of FAST	1-255	-	-	-
<b>Concrete Deck with SureMB 70 SA with Cav-Grip III Primer</b>							
Min. 1-1/2" InsulBase Polyiso	Full-Coverage FAST	Min. 1/4" Securock	12" ribbons of FAST	1-255	-	-	-
<b>Concrete Deck with SureMB 90TG and 120TG Base Torch Applied/Cut-Back Asphalt Primer</b>							
Min. 1-1/2" InsulBase Polyiso	Full-Coverage FAST	Min. 1/4" Securock	12" ribbons of FAST	1-255	-	-	-
<b>Gypsum Deck Tear-Off</b>							
Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" Securock	12" ribbons of FAST	1-90	-	-	-
<b>(Celcore) Cellular Lightweight Insulating Concrete Over Steel Decking (Min. 22 Gauge)</b>							
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		
<b>Concrete Deck</b>							
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		
<b>Steel Deck (Min. 22 Gauge)</b>							
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	-	-	-
<b>Steel Deck with VapAir Seal 725 TR and Cav-Grip III or 702 Primer</b>							
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
<b>Steel Deck with SureMB 70 SA and Cav-Grip III Primer</b>							
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
<b>Steel Deck with SureMB 90TG or 120TG Base Torch Applied</b>							
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		
<b>Concrete Deck</b>							
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	-	-	-
<b>Concrete Deck with VapAir Seal 725 TR and Cav-Grip III / 702-LV / 702 Primer</b>							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-255	-	-	-
<b>Concrete Deck with SureMB 70 SA and Cav-Grip III Primer</b>							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-285	Pending	Pending	Pending
<b>Concrete Deck with SureMB 90TG and 120TG Base Torch Applied/Cut-Back Asphalt Primer</b>							
Min. 1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-330	-	-	-
<b>Gypsum Deck Tear-Off</b>							
Min. 1-1/2" InsulBase Polyiso	12" ribbons of FAST	Min. 1/4" DensDeck Prime	12" ribbons of FAST	1-90	-	-	-
<b>Cellular Lightweight Insulating Concrete Over Steel Decking</b>							
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		
<b>Concrete Deck</b>							
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		
<b>Steel Deck (Min. 22 Gauge)</b>							
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
<b>Concrete Deck</b>							
Min. 1/2" InsulBase Polyiso	Hot Asphalt	Min. 1/2" HP Recovery Board	Hot Asphalt	1-300	-	-	-
<b>Cellular Lightweight Insulating Concrete Over Steel Decking</b>							
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		
<b>Steel Deck</b>							
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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Sure-Flex KEE HP FleeceBACK Membrane, FleeceBACK and FAST are Trademarks  
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