



**Versico VSH Compliant Roofing Systems**

**Code Approval Guide**

January 2024

**Table of Contents**

**FM Approvals**

DuraStorm VSH New Construction.....	2-3
DuraStorm VSH Recover.....	4
DuraFaceR New Construction.....	5-6
DuraFaceR Recover.....	7
DensDeck StormX New Construction.....	8-9
DensDeck StormX Recover.....	10
SecurShield HD Composite New Construction.....	11-12
SecurShield HD Composite Recover.....	13
<b>Reference Notes.....</b>	<b>14</b>

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraStorm VSH Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld - .060" membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS
					RoofNAV Number				
<b>Steel Deck (Min. 22-Gauge)</b>									
FM Approved	Loose laid	1/2" DuraStorm VSH	8 (4 sq. ft)	1-90	461161-0-0	NA	461162-0-0	NA	NA
FM Approved	Loose laid	1/2" DuraStorm VSH	16 (2 sq. ft)	1-90	461281-0-0	NA	461307-0-0	NA	NA
FM Approved	Loose laid	1/2" DuraStorm VSH	18 (1.8 sq. ft.)	1-120	461163-0-0	NA	461164-0-0	NA	NA
FM Approved	Loose laid	1/2" DuraStorm VSH	24 (1.33 sq. ft)	1-165	461165-0-0	NA	461167-0-0	NA	NA
FM Approved	Loose laid	1/2" DuraStorm VSH	24 (1.33 sq. ft)(19)	1-225	461166-0-0	NA	461168-0-0	NA	NA
FM Approved	Loose laid	1/2" DuraStorm VSH	32 (1 sq. ft)(19)	1-270	461112-0-0	NA	461114-0-0	NA	NA

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraStorm VSH Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld - .060" membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS
					RoofNAV Number				
Min. 1-1/2" VersiCore Polyiso	10 (3.2 sq. ft.)	1/2" DuraStorm VSH	6" ribbons of DASH	1-90	461690-0-0	-	461360-0-0	554489-0-0	461118-0-0
Min. 1-1/2" VersiCore Polyiso	10 (3.2 sq. ft.)	1/2" DuraStorm VSH over Min. 1" VersiCore	4" ribbons of DASH for DuraStorm VSH attachment and 12" o.c. for Polyiso	1-90	-	-	-	554492-0-0	-
Min. 2" VersiCore Polyiso	8 (4 sq. ft.)	1/2" DuraStorm VSH	6" ribbons of DASH	1-90	461287-0-0	551572-0-0	461310-0-0	554546-0-0	461123-0-0
Min. 1-1/2" VersiCore Polyiso	18 (1.8 sq. ft.)	1/2" DuraStorm VSH	6" ribbons of DASH	1-105	461171-0-0	-	461172-0-0	554482-0-0	461115-0-0
Min. 1-1/2" VersiCore Polyiso	24 (1.33 sq. ft.)	1/2" DuraStorm VSH	4" ribbons of DASH	1-150	-	-	-	554484-0-0	461117-0-0
Min. 2" VersiCore Polyiso	24 (1.33 sq. ft.)	1/2" DuraStorm VSH	4" ribbons of DASH	1-165	461206-0-0	-	461207-0-0	554483-0-0	461116-0-0

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraStorm VSH Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld - .060" membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS
					RoofNAV Number				
Min. 1/2" DensDeck Prime or 5/8" Securock	16 (2 sq. ft.)	1/2" DuraStorm VSH	6" ribbons of DASH	1-90	-	-	-	-	-
<b>Steel Deck (Min. 22-Gauge) with VapAir Seal 725TR and Cav-Grip 3V or 702 Primer</b>									
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" DuraStorm VSH over 1-1/2" VersiCore Polyiso	4" ribbons of DASH for DuraStorm VSH attachment and 12" o.c. for Polyiso	1-90	461290-0-0	551581-0-0	461314-0-0	554517-0-0	461154-0-0
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" DuraStorm VSH over 1" Insulfoam Roofing EPS	4" ribbons of DASH for DuraStorm VSH attachment and 6" o.c. for EPS	1-90	-	-	-	554488-0-0	461121-0-0

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraStorm VSH Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld - .060" membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS
					RoofNAV Number				
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/2" DuraStorm VSH over 1-1/2" VersiCore Polyiso	DASH Rig Splatter	1-135	-	-	-	-	-
Min. 1/2" DensDeck Prime or Securock	32 (1 sq. ft.)	1/2" DuraStorm VSH over 1-1/2" VersiCore Polyiso	DASH Rig Splatter	1-240	-	-	-	-	-
<b>Steel Deck (Min. 22-Gauge) with SureMB 70 SA and CAV-GRIP 3V Primer</b>									
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" DuraStorm VSH over 1-1/2" VersiCore Polyiso	6" ribbons of DASH	1-90	-	-	-	-	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraStorm VSH Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld - .060" membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS
					RoofNAV Number				
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/2" DuraStorm VSH over 1-1/2" VersiCore Polyiso	6" ribbons of DASH	1-135	-	-	-	-	-
<b>Steel Deck (Min. 22-Gauge) with SureMB 90TG or 120TG Base Torch Applied</b>									
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	1/2" DuraStorm VSH over 1-1/2" VersiCore Polyiso	6" ribbons of DASH	1-90	-	-	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	1/2" DuraStorm VSH over 1-1/2" VersiCore Polyiso	6" ribbons of DASH	1-135	-	-	-	-	-
<b>Concrete Deck</b>									
Min. 1" VersiCore Polyiso	12" ribbons of DASH	1/2" DuraStorm VSH	12" ribbons of DASH	1-225	461264-0-0 (1-270)	551576-0-0	461295-0-0 (1-315)	554547-0-0	461120-0-0

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraStorm VSH Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld - .060" membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS
					RoofNAV Number				
Min. 2" Insulfoam Roofing EPS	12" ribbons of DASH	1/2" DuraStorm VSH	12" ribbons of DASH	1-225	461266-0-0 (1-180)	-	-	554497-0-0	461130-0-0
Min. 2" Insulfoam Channel Dry EPS	12" ribbons of DASH	1/2" DuraStorm VSH over Min. 2" Insulfoam Roofing EPS	4" ribbons of DASH for DuraStorm VSH attachment and 12" o.c. for EPS	1-285	-	551575-0-0 (1-180)	-	554521-0-0	-
Min. 1-1/2" VersiCore Polyiso	12" ribbons of DASH	1/2" DuraStorm VSH	12" ribbons of DASH	1-705	-	-	461192-0-0	-	-
Min. 1-1/2" VersiCore Polyiso	10 (3.2 sq. ft.)	1/2" DuraStorm VSH	6" ribbons of DASH	1-90	-	-	-	554493-0-0	461125-0-0
Min. 2" VersiCore Polyiso	8 (4 sq. ft.)	1/2" DuraStorm VSH	6" ribbons of DASH	1-90	-	-	-	554496-0-0	461126-0-0
Min. 3/4" Optim-R	6" ribbons of DASH	1/2" DuraStorm VSH	6" ribbons of DASH	1-120	461294-0-0	551571-0-0 (1-90)	-	554519-0-0	461159-0-0

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraStorm VSH Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld - .060" membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS
					RoofNAV Number				
1/2" DuraStorm VSH	DASH Rig Splatter	-	-	1-270	-	551577-0-0	-	-	-
<b>Concrete Deck with VapAir Seal 725TR and Cav-Grip 3V, 702-LV or 702 Primer</b>									
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	DuraStorm VSH	12" ribbons of DASH	1-225 (Cav-Grip 3V)	461267-0-0	551564-0-0	461298-0-0	-	461137-0-0
Min. 2" Insulfoam Roofing EPS	12" ribbons of DASH	DuraStorm VSH	12" ribbons of DASH	1-255 (Cav-Grip 3V)	-	-	-	-	461131-0-0
Min. 3/4" Optim-R	6" ribbons of DASH	DuraStorm VSH	6" ribbons of DASH	1-165	461292-0-0	551570-0-0 (1-90)	-	554518-0-0	461157-0-0
Min. 3/4" Optim-R	12" ribbons of DASH	DuraStorm VSH	12" ribbons of DASH	1-60	-	551569-0-0	-	-	461155-0-0
<b>Concrete Deck with SureMB 70 SA with Cav-Grip 3V Primer</b>									
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	DuraStorm VSH	12" ribbons of DASH	1-285	519866-0-0	-	519865-0-0	-	-
<b>Concrete Deck with SureMB 90TG, 120TG Base Torch Applied and Cut-Back Asphalt Primer</b>									



Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraStorm VSH Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld - .060" membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS
					RoofNAV Number				
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	DuraStorm VSH	12" ribbons of DASH	1-225	461272-0-0 (1-255)	551568-0-0 (1-255)	-	554514-0-0	461143-0-0
<b>Gypsum Deck Tear-Off</b>									
Min. 1-1/2" VersiCore Polyiso	12" ribbons of DASH	DuraStorm VSH	6" ribbons of DASH	1-90	-	-	524130-0-0	-	486677-0-0
<b>Gypsum Deck Tear-Off with VapAir Seal 725TR and Cav-Grip 3V, 702-LV or 702 Primer</b>									
Min. 1-1/2" VersiCore Polyiso	12" ribbons of DASH	DuraStorm VSH	6" ribbons of DASH	1-90	-	-	-	-	486676-0-0
<b>(Celcore) Cellular Lightweight Insulating Concrete Over Steel Decking (Min. 22 Gauge)</b>									
FM Approved	Loose laid	DuraStorm VSH	12 (2.67 sq. ft)	1-75	-	-	-	NA	NA
FM Approved	Loose laid	DuraStorm VSH	16 (2 sq. ft)	1-90	-	-	-	NA	NA
-	-	DuraStorm VSH	12 (2.67 sq. ft)	1-75	-	-	-	NA	NA
-	-	DuraStorm VSH	16 (2 sq. ft)	1-90	-	-	-	NA	NA

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraStorm VSH Ratings - Recover**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening <small>(mechanically fastened see notes 11, 12 &amp; 13)</small>	Top Insulation Layer	Top Layer Fastening <small>(mechanically fastened see notes 11, 12 &amp; 13)</small>	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
					RoofNAV Number			
<b>Steel Deck (Min. 22-Gauge)</b>								
-	-	DuraStorm VSH	12 (2.67 sq. ft)	1-75	-	-	-	NA
-	-	DuraStorm VSH	16 (2 sq. ft)	1-90	461810-0-0	-	461519-0-0	NA
-	-	DuraStorm VSH	32 (1 sq. ft.)	1-270			524216-0-0	
Max. 1" VersiCore	Loose-laid	DuraStorm VSH	8 (4 sq. ft)	1-90	-	-	552118-0-0	NA
-	-	DuraStorm VSH	6" ribbons of DASH	1-150	-	-	-	489958-0-0
<b>Concrete Deck</b>								
Min. 1/2" VersiCore Polyiso or SecurShield	6" ribbons of DASH	DuraStorm VSH	12" ribbons of DASH	1-90	461280-0-0	-	467534-0-0	-
-	-	DuraStorm VSH	6" ribbons of DASH	1-150	466720-0-0	-	466721-0-0	-
<b>Gypsum Deck</b>								
-	-	DuraStorm VSH	6" ribbons of DASH	1-90	-	-	-	-

**Note:** Recover approvals in this document are based on the following existing roofing system assumption - the existing smooth Asphalt BUR, Modified Bitumen or single-ply system was FM approved at the time of installation. Direct membrane application over existing EPDM single-ply only.

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraFaceR Ratings - New Construction**

**Membrane Type:** VersiFleece White EPDM - 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
					Steel Deck (Min. 22 Gauge)		
Min. 1-1/2" VersiCore Polyiso	Loose laid	Min. 2" DuraFaceR	17 (1.9 sq. ft)	1-150	439043-0-0	439042-0-0	NA
Min. 1-1/2" VersiCore Polyiso	Loose laid	Min. 2" DuraFaceR	32 (1 sq. ft)(19)	1-270	439045-0-0	439044-0-0	NA
Min. 2" VersiCore Polyiso	8 (4 sq. ft.)	Min. 2" DuraFaceR	12" ribbons of DASH	1-90	439066-0-0	439065-0-0	-
Min. 1/2" Dens Deck Prime or Securock	16 (2 sq. ft.)	Min. 2" DuraFaceR over min 1-1/2" VersiCore	12" ribbons of DASH	1-90	439068-0-0	439067-0-0	-
Min. 1/2" Dens Deck Prime or Securock	16 (2 sq. ft.)	Min. 1-1/2" Insulam OSB over Insulfoam EPS	6" ribbons of DASH	1-90	439058-0-0	-	-
Min. 1-1/2" VersiCore Polyiso	10 (3.2 sq. ft)	Min. 2" DuraFaceR	12" ribbons of DASH	1-90	439064-0-0	439063-0-0	427172-0-0
Min. 2" VersiCore Polyiso	8 (4 sq. ft)	Min. 2" DuraFaceR	12" ribbons of DASH	1-90	-	-	427201-0-0
Min. 1-1/2" Polyiso	Loose laid	Min. 2" DuraFaceR	Full-Coverage DASH	1-90	-	-	419427-0-0

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraFaceR Ratings - New Construction**

**Membrane Type:** VersiFleece White EPDM - 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
Min. 1/2" DensDeck Prime or 5/8" Securock	16 (2 sq. ft.)	Min. 2" DuraFaceR	12" ribbons of DASH	1-90	-	-	427202-0-0
Min. 3" Insulfoam VIII over 1/2" Dens Deck	16 (2 sq. ft.)	Min. 1-1/2" Insulam OSB	6" ribbons of DASH	1-150	-	-	434590-0-0
<b>Steel Deck (Min. 22-Gauge) with VapAir Seal 725TR and CAV-GRIP 3V or 702 Primer</b>							
Min. 1/2" Dens Deck Prime or Securock	16 (2 sq. ft.)	Min. 2" DuraFaceR over min 1-1/2" VersiCore	12" ribbons of DASH	1-90	-	439059-0-0	-
Min. 1/2" Dens Deck Prime or Securock	16 (2 sq. ft.)	Min. 2" DuraFaceR	12" ribbons of DASH	1-90	439062-0-0	439061-0-0	434469-0-0
Min. 1/2" Dens Deck Prime or Securock	20 (1.6 sq. ft.)	Min. 2" DuraFaceR	DASH - Rig Splatter	1-135	-	-	-
<b>Steel Deck (Min. 22-Gauge) with SureMB 70 SA and CAV-GRIP 3V Primer</b>							
Min. 1/2" Dens Deck Prime or Securock	16 (2 sq. ft.)	Min. 2" DuraFaceR	12" ribbons of DASH	1-90	-	-	-
Min. 1/2" Dens Deck Prime or Securock	20 (1.6 sq. ft.)	Min. 2" DuraFaceR	6" ribbons of DASH	1-135	-	-	-
<b>Steel Deck (Min. 22-Gauge) with SureMB 90TG or 120TG Base Torch Applied</b>							
Min. 1/2" Dens Deck Prime or Securock	16 (2 sq. ft.)	Min. 2" DuraFaceR over min 1-1/2" VersiCore	12" ribbons of DASH	1-90	-	-	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraFaceR Ratings - New Construction**

**Membrane Type:** VersiFleece White EPDM - 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
Min. 1/2" Dens Deck Prime or Securock	20 (1.6 sq. ft.)	Min. 2" DuraFaceR	6" ribbons of DASH	1-135	-	-	-
<b>Concrete Deck</b>							
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	Min. 2" DuraFaceR	12" ribbons of DASH	1-315	-	-	427190-0-0
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	Min. 2" DuraFaceR	Full-Coverage DASH	1-270	439021-0-0	439020-0-0	-
-	-	Min. 2" DuraFaceR	Full-Coverage DASH	1-270	439019-0-0	439018-0-0	-
-	-	Min. 2" DuraFaceR	12" ribbons of DASH	1-165	-	-	434470-0-0
-	-	Min. 2" DuraFaceR	Hot Asphalt	1-300	-	-	419424-0-0
<b>Concrete Deck with VapAir Seal 725TR and CAV-GRIP 3V, 702-LV or 702 Primer</b>							
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	Min. 2" DuraFaceR	12" ribbons of DASH	1-255	439023-0-0	439022-0-0	427203-0-0
<b>Concrete Deck with SureMB 70 SA and CAV-GRIP3V Primer</b>							

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraFaceR Ratings - New Construction**

**Membrane Type:** VersiFleece White EPDM - 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	Min. 2" DuraFaceR	12" ribbons of DASH	1-270	-	-	-
<b>Concrete Deck with SureMB 90TG and 120TG Base Torch Applied/Cut-Back Asphalt Primer</b>							
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	Min. 2" DuraFaceR	12" ribbons of DASH	1-270	-	444182-0-0	-
<b>Gypsum Deck Tear-Off</b>							
Min. 1-1/2" VersiCore Polyiso	12" ribbons of DASH	Min. 2" DuraFaceR	12" ribbons of DASH	1-90	-	-	-
<b>Gypsum Deck Tear-Off with VapAir Seal 725TR and Cav-Grip 3V, 702-LV or 702 Primer</b>							
Min. 1-1/2" VersiCore Polyiso	12" ribbons of DASH	Min. 2" DuraFaceR	12" ribbons of DASH	1-90	-	-	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DuraFaceR Ratings - Recover**

**Membrane Type:** VersiFleece White EPDM - 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld PLUS - .080" (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening <small>(mechanically fastened see notes 11, 12 &amp; 13)</small>	Top Insulation Layer	Top Layer Fastening <small>(mechanically fastened see notes 11, 12 &amp; 13)</small>	Rating	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
<b>Concrete Deck</b>							
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	Min. 2" DuraFaceR	12" ribbons of DASH	1-90	-	-	-
-	-	Min. 2" DuraFaceR	Full-Coverage DASH	1-90	-	-	419421-0-0

**Note:** Recover approvals in this document are based on the following existing roofing system assumption - the existing smooth Asphalt BUR, Modified Bitumen or single-ply system was FM approved at the time of installation. Direct membrane application over existing EPDM single-ply only.

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DensDeck StormX Prime Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld and VersiWeld PLUS - .060" or .080" membrane (TPO)  
 VersiFlex - .080" membrane (PVC)  
 VersiFleece PVC - 135 Membrane (PVC)  
 VersiFleece KEE HP - 135 (KEE HP)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld and VersiWeld PLUS membranes  
 Hydrobond Water Based PVC bonding adhesive for VersiFlex PVC, VersiFleece PVC and VersiFleece KEE HP

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS	VersiFlex	VersiFleece PVC	VersiFleece KEE HP
					RoofNAV Number							
<b>Steel Deck (Min. 22-Gauge)</b>												
Min. 1-1/2" VersiCore Polyiso	Loose-Laid	5/8" DensDeck StormX	8 (4 sq. ft.)	1-90	-	-	553273-0-0 (.080")	NA	NA	NA	NA	NA
Min. 1-1/2" VersiCore Polyiso	10 (3.2 sq. ft.)	5/8" DensDeck StormX	12" ribbons of DASH	1-90	-	551675-0-0	551609-0-0	-	-	554309-0-0	554266-0-0	-
Min. 1-1/2" VersiCore Polyiso	10 (3.2 sq. ft.)	5/8" DensDeck StormX over Min. 1-1/2" VersiCore	12" ribbons of DASH	1-90	-	551674-0-0	551601-0-0	478034-0-0	478034-0-0	554409-0-0	554295-0-0	-
Min. 2" VersiCore Polyiso	8 (4 sq. ft.)	5/8" DensDeck StormX	12" ribbons of DASH	1-90	-	551679-0-0	-	481545-0-0	477811-0-0	554346-0-0	554273-0-0	-
Min. 2" VersiCore Polyiso	8 (4 sq. ft.)	5/8" DensDeck StormX over Min. 1-1/2" VersiCore	12" ribbons of DASH	1-90	-	551678-0-0	551612-0-0	-	-	554410-0-0	554296-0-0	-
Min. 2" VersiCore Polyiso	16 (2 sq. ft.)	5/8 DensDeck StormX	12" ribbons of DASH	1-120	-	551699-0-0	551654-0-0	478621-0-0	478621-0-0	-	-	-
Min. 2" VersiCore Polyiso	20 (1.6 sq. ft.)	5/8" DensDeck StormX	6" ribbons of DASH	1-135	-	551702-0-0	551656-0-0	478620-0-0	478620-0-0	554411-0-0 (1-120)	-	-
Min. 2" VersiCore Polyiso	32 (1 sq. ft.)	5/8" DensDeck StormX	4" ribbons of DASH	1-165 C-Deck	-	-	-	478622-0-0	478624-0-0	-	-	-
Min. 2" VersiCore Polyiso	32 (1 sq. ft.)	5/8" DensDeck StormX	4" ribbons of DASH	1-225 E-Deck	-	-	551652-0-0	478623-0-0	478625-0-0	-	-	-
Min. 1/2" DensDeck Prime	16 (2 sq. ft.)	5/8" DensDeck StormX and Min. 1.5" VersiCore in adhesive	12" ribbons of DASH	1-90	-	-	551653-0-0	477985-0-0	477983-0-0	-	-	-



Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DensDeck StormX Prime Ratings - New Construction**

**Membrane Type:**  
VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld and VersiWeld PLUS - .060" or .080" membrane (TPO)  
VersiFlex - .080" membrane (PVC)  
VersiFleece PVC - 135 Membrane (PVC)  
VersiFleece KEE HP - 135 (KEE HP)

**Membrane Adhesive:**  
Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld and VersiWeld PLUS membranes  
Hydrobond Water Based PVC bonding adhesive for VersiFlex PVC, VersiFleece PVC and VersiFleece KEE HP

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS	VersiFlex	VersiFleece PVC	VersiFleece KEE HP
					RoofNAV Number							
Min. 1/2" DensDeck Prime	16 (2 sq. ft.)	5/8" DensDeck StormX and Min. 1" Insulfoam Roofing EPS in adhesive	6" ribbons of DASH	1-90	-	-	-	-	-	554435-0-0	-	-
<b>Steel Deck (Min. 22-Gauge) with VapAir Seal 725TR and CAV-GRIP 3V or 702 Primer</b>												
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	5/8" DensDeck StormX over 1-1/2" VersiCore Polyiso	12" ribbons of DASH	1-90	-	551692-0-0	551624-0-0	478004-0-0	478004-0-0	554315-0-0	-	-
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	5/8" DensDeck StormX over 1" Insulfoam Roofing EPS	6" ribbons of DASH	1-90	-	-	-	-	-	554434-0-0	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	5/8" DensDeck StormX over 1-1/2" VersiCore Polyiso	DASH - Rig Splatter	1-135	-	-	-	-	-	-	-	-
<b>Steel Deck (Min. 22-Gauge) with SureMB 70 SA and CAV-GRIP 3V Primer</b>												
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	5/8" DensDeck StormX over 1-1/2" VersiCore Polyiso	12" ribbons of DASH	1-90	-	-	-	-	-	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	5/8" DensDeck StormX over 1-1/2" VersiCore Polyiso	6" ribbons of DASH	1-135	-	-	-	-	-	-	-	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DensDeck StormX Prime Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld and VersiWeld PLUS - .060" or .080" membrane (TPO)  
 VersiFlex - .080" membrane (PVC)  
 VersiFleece PVC - 135 Membrane (PVC)  
 VersiFleece KEE HP - 135 (KEE HP)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld and VersiWeld PLUS membranes  
 Hydrobond Water Based PVC bonding adhesive for VersiFlex PVC, VersiFleece PVC and VersiFleece KEE HP

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS	VersiFlex	VersiFleece PVC	VersiFleece KEE HP
					RoofNAV Number							
<b>Steel Deck (Min. 22-Gauge) with SureMB 90TG or 120TG Base Torch Applied</b>												
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	5/8" DensDeck StormX over 1-1/2" VersiCore Polyiso	12" ribbons of DASH	1-90	-	-	-	478647-0-0	478648-0-0	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	5/8" DensDeck StormX over 1-1/2" VersiCore Polyiso	6" ribbons of DASH	1-135	-	-	-	-	-	-	-	-
<b>Concrete Deck</b>												
Min. 1.5" VersiCore Polyiso	12" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-465	-	551668-0-0 (1-270)	551638-0-0 (1-315)	477785-0-0	477786-0-0	-	554276-0-0 (1-315)	554304-0-0 (1-315)
Min. 2" Insulfoam Roofing EPS	12" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-465	-	-	-	478649-0-0	478650-0-0	-	-	-
<b>Concrete Deck with VapAir Seal 725TR and CAV-GRIP 3V, 702-LV or 702 Primer</b>												
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-255	-	551693-0-0	551635-0-0	478007-0-0	478007-0-0	554415-0-0	554264-0-0	554300-0-0
Min. 1" Insulfoam Roofing EPS	12" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-315	-	-	-	-	-	554432-0-0	-	-
<b>Concrete Deck with SureMB 70 SA and CAV-GRIP 3V Primer</b>												
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-255	-	-	-	-	-	554437-0-0	-	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DensDeck StormX Prime Ratings - New Construction**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld and VersiWeld PLUS - .060" or .080" membrane (TPO)  
 VersiFlex - .080" membrane (PVC)  
 VersiFleece PVC - 135 Membrane (PVC)  
 VersiFleece KEE HP - 135 (KEE HP)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld and VersiWeld PLUS membranes  
 Hydrobond Water Based PVC bonding adhesive for VersiFlex PVC, VersiFleece PVC and VersiFleece KEE HP

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS	VersiFlex	VersiFleece PVC	VersiFleece KEE HP
					RoofNAV Number							
<b>Concrete Deck with SureMB 90TG, 120TG Base Torch Applied and Cut-Back Asphalt Primer</b>												
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-315	-	551696-0-0 (1-255)	551646-0-0 (1-255)	478014-00	478014-0-0	554420-0-0	554269-0-0	-
<b>Gypsum Deck Tear-Off</b>												
Min. 1-1/2" VersiCore Polyiso	DASH Splatter	5/8" DensDeck StormX	DASH Splatter	1-90	-	-	551594-0-0	479141-0-0	479141-0-0	-	-	-
<b>Gypsum Deck Tear-Off with VapAir Seal 725TR and CAV-GRIP 3V, 702-LV or 702 Primer</b>												
Min. 1-1/2" VersiCore Polyiso	12" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-90	-	-	-	478628-0-0	478628-0-0	-	-	-
<b>Lightweight Insulating Concrete over Steel Decking</b>												
Min. 1-1/2" VersiCore Polyiso	4" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-135	-	551683-0-194470	551619-0-194470	497923-0-194470	497923-0-194470	-	-	-
<b>Lightweight Insulating Concrete over Structural Concrete</b>												
Min. 1-1/2" VersiCore Polyiso	4" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-90	-	551684-0-50916	551622-0-50916	497941-0-50916	497941-0-50916	554414-0-50916	-	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**DensDeck StormX Prime Ratings - Recover**

**Membrane Type:**  
 VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld and VersiWeld PLUS - .060" or .080" membrane (TPO)  
 VersiFlex - .080" membrane (PVC)  
 VersiFleece PVC - 135 Membrane (PVC)  
 VersiFleece KEE HP - 135 (KEE HP)

**Membrane Adhesive:**  
 Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld and VersiWeld PLUS membranes  
 Hydrobond Water Based PVC bonding adhesive for VersiFlex PVC, VersiFleece PVC and VersiFleece KEE HP

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld	VersiWeld PLUS	VersiFlex	VersiFleece (PVC and KEE HP)
					RoofNAV Number						
<b>Steel Deck (Min. 22-Gauge)</b>											
-	-	5/8" DensDeck StormX	6" ribbons of DASH	1-90	-	-	-	497942-0-0	497942-0-0	-	-
<b>Concrete Deck</b>											
Min. 1/2" VersiCore Polyiso or SecurShield	6" ribbons of DASH	5/8" DensDeck StormX	12" ribbons of DASH	1-90	-	-	-	-	-	-	-
-	-	5/8" DensDeck StormX	6" ribbons of DASH	1-150	-	-	-	-	-	-	-
<b>Gypsum Deck</b>											
-	-	5/8" DensDeck StormX	6" ribbons of DASH	1-90	-	-	-	-	-	-	-
<b>Tectum Deck</b>											
Min. 1" VersiCore Polyiso	20 (1.6 sq. ft.)	5/8" DensDeck StormX	12" ribbons of DASH	1-90	-	-	-	477989-0-0	477989-0-0	-	-

**Note:** Recover approvals in this document are based on the following existing roofing system assumption - the existing smooth Asphalt BUR, Modified Bitumen or single-ply system was FM approved at the time of installation. Direct membrane application over existing EPDM single-ply only.

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

### SecurShield HD Composite Ratings - New Construction

**Membrane Type:**

VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:**

Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening <small>(mechanically fastened see notes 11, 12 &amp; 13)</small>	Top Insulation Layer	Top Layer Fastening <small>(mechanically fastened see notes 11, 12 &amp; 13)</small>	Rating	VersiFleece Black EPDM	VersiFleece Black EPDM 145	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
					RoofNAV Number				
<b>Steel Deck (Min. 22-Gauge)</b>									
2" SecurShield HD Composite	8 (4 sq. ft.)	-	-	1-90	551139-0-0 (4" o.c.)	551132-0-0 (4" o.c.)	-	NA	NA
2" SecurShield HD Composite	20 (1.6 sq. ft.)	-	-	1-165	551283-0-0 (4" o.c.)	-	-	NA	NA
Min. 1-1/2" VersiCore Polyiso	Loose-Laid	2" SecurShield HD Composite	20 (1.6 sq. ft.)	1-165	-	551281-0-0 (4" o.c.)	-	NA	NA
2" SecurShield HD Composite	32 (1 sq. ft.)	-	-	1-270	551286-0-0 (4" o.c.)	551282-0-0 (4" o.c.)	-	NA	NA
Min. 1-1/2" VersiCore Polyiso	10 (3.2 sq. ft.)	2" SecurShield HD Composite	12" ribbons of DASH	1-90	551342-0-0	-	-	550948-0-0	-
Min. 2" VersiCore Polyiso	8 (4 sq. ft.)	2" SecurShield HD Composite	12" ribbons of DASH	1-90	551358-0-0	551344-0-0	-	550949-0-0	550889-0-0
Min. 1-1/2" VersiCore Polyiso	16 (2 sq. ft.)	2" SecurShield HD Composite	6" ribbons of DASH	1-105	-	-	-	550957-0-0	550874-0-0
Min. 2" VersiCore Polyiso	20 (1.6 sq. ft.)	2" SecurShield HD Composite	4" ribbons of DASH	1-165	551364-0-0	551350-0-0	-	550930-0-0	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**SecurShield HD Composite Ratings - New Construction**

**Membrane Type:**

VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:**

Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece Black EPDM 145	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
					RoofNAV Number				
Min. 2" VersiCore Polyiso	32 (1 sq. ft.)	2" SecurShield HD Composite	4" ribbons of DASH	1-225	-	-	-	550932-0-0	550876-0-0 (1-270)
Min. 1/2" DensDeck Prime or 5/8" Securock	16 (2 sq. ft.)	2" SecurShield HD Composite	12" ribbons of DASH	1-90	551346-0-0	-	-	-	550829-0-0
<b>Steel Deck (Min. 22-Gauge) with VapAir Seal 725TR and CAV-GRIP 3V or 702 Primer</b>									
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	2" SecurShield HD Composite	12" ribbons of DASH	1-90	551362-0-0	-	551556-0-0	550956-0-0	-
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	2" SecurShield HD Composite over Min. 1-1/2" VersiCore	12" ribbons of DASH	1-90	551361-0-0	-	551554-0-0	550955-0-0	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	2" SecurShield HD Composite	DASH - Rig Splatter	1-135	-	-	-	-	-
<b>Steel Deck (Min. 22-Gauge) with SureMB 70 SA and CAV-GRIP 3V Primer</b>									
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	2" SecurShield HD Composite	12" ribbons of DASH	1-90	-	-	-	-	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**SecurShield HD Composite Ratings - New Construction**

**Membrane Type:**

VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:**

Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece Black EPDM 145	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
					RoofNAV Number				
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	2" SecurShield HD Composite	6" ribbons of DASH	1-135	-	-	-	-	-
<b>Steel Deck (Min. 22-Gauge) with SureMB 90TG or 120TG Base Torch Applied</b>									
Min. 1/2" DensDeck Prime or Securock	8 (4 sq. ft.)	2" SecurShield HD Composite	12" ribbons of DASH	1-90	-	-	-	-	-
Min. 1/2" DensDeck Prime or Securock	20 (1.6 sq. ft.)	2" SecurShield HD Composite	6" ribbons of DASH	1-135	-	-	-	-	-
<b>Concrete Deck</b>									
Min. 1" VersiCore Polyiso	12" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-180	-	-	-	-	-
2" SecurShield HD Composite	12" ribbons of DASH	-	-	1-180	551335-0-0	-	-	-	-
Min. 2" Insulfoam Roofing EPS	12" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-225	-	-	-	-	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**SecurShield HD Composite Ratings - New Construction**

**Membrane Type:**  
VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece Black EPDM 145	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
					RoofNAV Number				
<b>Concrete Deck with VapAir Seal 725TR and CAV-GRIP 3V, 702-LV or 702 Primer</b>									
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-225	-	-	-	-	534253-0-0 (1-315)
Min. 2" Insulfoam Roofing EPS	12" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-255	-	-	-	-	-
<b>Concrete Deck with SureMB 70 SA with CAV-GRIP 3V Primer</b>									
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-225	-	-	-	-	-
<b>Concrete Deck with SureMB 90TG, 120TG Base Torch Applied and Cut-Back Asphalt Primer</b>									
Min. 1/2" VersiCore Polyiso	12" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-225	-	-	-	-	550891-0-0
<b>Gypsum Deck Tear-Off</b>									
Min. 1-1/2" VersiCore Polyiso	12" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-90	-	-	-	-	-



Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**SecurShield HD Composite Ratings - New Construction**

**Membrane Type:**  
VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
VersiFleece TPO - 115 or 135 membrane (TPO)  
VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:**  
Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening <small>(mechanically fastened see notes 11, 12 &amp; 13)</small>	Top Insulation Layer	Top Layer Fastening <small>(mechanically fastened see notes 11, 12 &amp; 13)</small>	Rating	VersiFleece Black EPDM	VersiFleece Black EPDM 145	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
					RoofNAV Number				
<b>Gypsum Deck Tear-Off with VapAir Seal 725TR and CAV-GRIP 3V, 702-LV or 702 Primer</b>									
Min. 1-1/2" VersiCore Polyiso	12" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-90	-	-	-	-	-
<b>Lightweight Insulating Concrete over Steel Decking</b>									
Min. 1-1/2" VersiCore Polyiso	4" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-90	-	-	-	-	552896-0-194470
<b>Lightweight Insulating Concrete over Structural Concrete</b>									
Min. 1-1/2" VersiCore Polyiso	4" ribbons of DASH	2" SecurShield HD Composite	12" ribbons of DASH	1-90	-	-	-	-	-

Factory Mutual Approvals  
Versico VSH Compliant Roofing System

**SecurShield HD Composite Ratings - Recover**

**Membrane Type:** VersiFleece Black EPDM - 115 or 145 membrane (black EPDM)  
 VersiFleece White EPDM - 115 or 145 membrane (white EPDM)  
 VersiFleece TPO - 115 or 135 membrane (TPO)  
 VersiWeld PLUS - .080" membrane (TPO)

**Membrane Adhesive:** Flexible DASH and Flexible DASH Dual Tank beads 4" o.c. or Splatter for membrane attachment with VersiFleece membranes  
 VersiWeld Bonding Adhesive, Low VOC Bonding Adhesive or CAV-GRIP 3V Adhesive/Primer for VersiWeld PLUS membrane

Base Insulation Layer (Max. thickness 36")	Base Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Top Insulation Layer	Top Layer Fastening (mechanically fastened see notes 11, 12 & 13)	Rating	VersiFleece Black EPDM	VersiFleece White EPDM	VersiFleece TPO	VersiWeld PLUS
					RoofNAV Numbers			
<b>Concrete Deck</b>								
-	-	2" SecurShield HD Composite	12" ribbons of DASH	1-90	-	-	-	-
-	-	2" SecurShield HD Composite	6" ribbons of DASH	1-150	-	-	-	-
<b>Gypsum Deck</b>								
-	-	2" SecurShield HD Composite	6" ribbons of DASH	1-90	-	-	-	-

**Note:** Recover approvals in this document are based on the following existing roofing system assumption - the existing smooth Asphalt BUR, Modified Bitumen or single-ply system was FM approved at the time of installation. Direct membrane application over existing EPDM single-ply only.

## Versico VSH Compliant Roofing System

### Reference Notes

1. DELETED
2. DELETED
3. DELETED
4. DELETED
5. DELETED
  
6. DELETED
7. DELETED
8. DELETED
9. DELETED
10. Existing adhered or mechanically fastened EPDM or Hypalon roofing systems. Contact Versico regarding suitability and specific requirements.
  
11. HPV fastener/Insulation plate.
12. InsulTITE fastener/Insulation plate.
13. InsulTITE fastener/SecurFAST Insulation Fastening plate.
14. Testing conducted on minimum 22 gauge FM approved Grade C Steel Deck fastened 4 feet on center.
15. UL 580 Test Standard – “Tests for Uplift Resistance of Roof Assemblies”. This test method subjects a 10’ x 10’ sample to various static and oscillating air pressures to determine uplift resistance.
16. ANSI/UL 1897 Test Standard – “Standard Test Method for Uplift Resistance for Roof Covering Systems”. This test method subjects a 10’ x 10’ sample to differential static uplift pressures to determine resistance. This test is essentially the same as Factory Mutual’s (FM) Uplift Testing only the table size is different.
17. Testing was conducted with VersiFleece EPDM membrane; however, FM testing has shown that VersiFleece TPO membrane secured with DASH Adhesive is equivalent.
18. 80 ksi with one fastener per attachment point.
19. 80 ksi with two fasteners per attachment point.

Versico Roofing Systems, a division of Carlisle Construction Materials LLC, P.O. Box 1289, Carlisle, PA 17013  
(800-479-6832)

Versico, VersiFleece EPDM, TPO and PVC and DASH are Trademarks  
of Versico Roofing Systems, a division of Carlisle Construction Materials LLC  
DensDeck Prime is a Trademark of Georgia-Pacific

The contents of this issue represent the applicable information available at the time of publication. The contents of older issues are no longer accurate due to subsequent changes.

2024 Copyright Versico Roofing Systems, a division of Carlisle Construction Materials LLC