



VersiFleece RL EPDM, TPO & PVC

## Code Approval Guide

January 2024

### Table of Contents

<b>UL Approvals:</b>	
ANSI UL - Class A.....	2
ANSI UL - Class B & C.....	3
<b>FM Approvals:</b>	
VersiCore, SecurShield and SecurShield HD RL- New Construction.....	4-5
<b>Reference Notes</b> .....	6

**UL Approval - ANSI/UL 790 Spread of Flame Test (Class A)  
VersiFleece RL Roofing Systems**

**Membrane Type:** VersiFleece RL EPDM - Minimum 115-mil thickness  
VersiFleece RL TPO - Minimum 115-mil thickness  
VersiFleece RL PVC - Minimum 115-mil thickness

System ID	Deck Type	Barrier	Insulation	Cover Board	Maximum Slope		
					VersiFleece RL EPDM	VersiFleece RL TPO	VersiFleece RL PVC
1	Non-Combustible	N/A	(Optional) Any UL Classified Insulation, except EPS and XPS, any combination, any thickness	½-inch SecurShield HD RL	1/2"	1/2"	1/2"
2	Non-Combustible	N/A	VersiCore RL, SecurShield RL any combination, any thickness. Optionally, any UL Classified Insulation, except EPS and XPS may be used below.	N/A	1/2"	1/2"	1/2"
3	Combustible (1)	Minimum ¼-inch DensDeck®, DensDeck® Prime, SECUROCK Glass-Mat or SECUROCK Gypsum Fiber Roof Board (2)	(Optional) Any UL Classified Insulation, any combination, any thickness	½-inch SecurShield HD RL	1/2"	1/2"	1/2"
4	Combustible (1)	Minimum ¼-inch DensDeck®, DensDeck® Prime, SECUROCK Glass-Mat or SECUROCK Gypsum Fiber Roof Board (2)	VersiCore RL, SecurShield RL any combination, any thickness	N/A	1/2"	1/2"	1/2"
5	Combustible (1)	N/A	(OPTIONAL) Any UL Classified Insulation, except EPS and XPS, any combination, any thickness (3)	½-inch SecurShield HD RL (3)	1/2"	1/2"	1/2"
6	Combustible (1)	1 layer of Versico FR Base Sheet	Minimum 1.4-inch layer of VersiCore. (2)	½-inch SecurShield HD RL (2)	1/2"	1/2"	1/2"
7	Combustible (1)	N/A	Minimum 4-inch layer of any UL Classified EPS (2)	½-inch SecurShield HD RL (2)	1/2"	1/2"	1/2"

**Footnotes:**

1. Any roof covering system listed for use over a combustible roof deck can be installed over a non-combustible roof deck and achieve the same classification.
2. All insulation joints must be staggered a minimum of 6 in. from the deck joints or from the insulation joints directly below.
3. All insulation joints must be staggered a minimum of 12 in. from the deck joints or from the insulation joints directly below.

**UL Approval - ANSI/UL 790 Spread of Flame Test (Class B)  
VersiFleece RL Roofing Systems**

**Membrane Type:** VersiFleece RL EPDM - Minimum 115-mil thickness  
VersiFleece RL TPO - Minimum 115-mil thickness  
VersiFleece RL PVC - Minimum 115-mil thickness

System ID	Deck Type	Barrier	Insulation	Cover Board	Maximum Slope		
					VersiFleece RL EPDM	VersiFleece RL TPO	VersiFleece RL PVC
1	Combustible (1)	N/A	Minimum 1.4-inch VersiCore. (2)	½-inch SecurShield HD RL (2)	1/2"	1/2"	1/2"

**Footnotes:**

1. Any roof covering system listed for use over a combustible roof deck can be installed over a non-combustible roof deck and achieve the same classification.
2. All insulation joints must be staggered a minimum of 6 in. from the deck joints or from the insulation joints directly below.

**UL Approval - ANSI/UL 790 Spread of Flame Test (Class C)  
VersiFleece RL Roofing Systems**

**Membrane Type:** VersiFleece RL EPDM - Minimum 115-mil thickness  
VersiFleece RL TPO - Minimum 115-mil thickness  
VersiFleece RL PVC - Minimum 115-mil thickness

System ID	Deck Type	Barrier	Insulation	Cover Board	Maximum Slope		
					VersiFleece RL EPDM	VersiFleece RL TPO	VersiFleece RL PVC
1	Combustible (1)	N/A	(Optional) Any UL Classified Insulation, any combination, any thickness	½-inch SecurShield HD RL	Unlimited	Unlimited	Unlimited
2	Combustible (1)	N/A	VersiCore RL, SecurShield RL any combination, any thickness. Optionally, any UL Classified Insulation, except EPS and XPS may be used below.	N/A	Unlimited	Unlimited	Unlimited

**Footnote:**

1. Any roof covering system listed for use over a combustible roof deck can be installed over a non-combustible roof deck and achieve the same classification.

Factory Mutual Approvals  
VersiFleece RL Roofing Systems

**VersiCore RL, SecurShield RL & SecurShield HD RL Polyiso Ratings - New Construction**

VersiFleece RL EPDM - Minimum 115-mil thickness

**Membrane Type:** VersiFleece RL TPO - Minimum 115-mil thickness

VersiFleece RL PVC- Minimum 115-mil thickness

**Insulation Adhesive:** Flexible DASH and Flexible DASH Dual Tank- Applied in ribbons, splatter and/or full spray as noted.

Base Insulation Layer	Base Layer Fastening	Top Insulation Layer	Top Layer Fastening	Rating	VersiFleece RL EPDM	VersiFleece RL TPO	VersiFleece RL PVC
					RoofNAV Number		
<b>Steel Deck (Min. 22-Gauge) (Note 1)</b>							
Min. 1-1/2" VersiCore	Loose-laid	Min 2" SecurShield HD Composite RL	6 (5.33 sq. ft) (Notes 2 & 3)	1-90	-	-	-
Min. 1-1/2" VersiCore	Loose-laid	Min 2" VersiCore RL or SecurShield RL	8 (4 sq. ft) (Notes 2 & 3)	1-90	430381-0-0	430340-0-0	510074-0-0
Min. 1-1/2" VersiCore	Loose-laid	1/2" SecurShield HD RL	16 (2 sq. ft) (Notes 2, 3 & 4)	1-90	430386-0-0	430385-0-0	510075-0-0
Min. 1-1/2" VersiCore	Loose-laid	Min 2" VersiCore RL, SecurShield RL or SecurShield HD Composite RL	20 (1.6 sq. ft) (Notes 2 & 3)	1-150	430630-0-0	430426-0-0	510076-0-0
Min. 1-1/2" VersiCore	32 (1 sq. ft) (Note 2)	1/2" SecurShield HD RL	Flexible DASH Dual Tank-ribbons 4" o.c.	1-165 (C DECK)	445230-0-0	445223-0-0	510080-0-0
Min. 1-1/2" VersiCore	32 (1 sq. ft) (Note 2)	1/2" SecurShield HD RL	Flexible DASH Dual Tank-ribbons 4" o.c.	1-225 (E DECK)	445231-0-0	445229-0-0	510081-0-0
<b>Steel Deck (Min. 22-Gauge)/ VapAir Seal 725TR and Cav-Grip 3V or 702 Primer</b>							
Min. 1/2" Dens-Deck Prime or SECUROCK Gypsum Fiber	8 (4 sq. ft) (Note 2)	Min 2" VersiCore RL or SecurShield RL over Min. 1-1/2" VersiCore	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	1-90	479012-0-0	479016-0-0	-
Min. 1/2" Dens-Deck Prime or SECUROCK Gypsum Fiber	8 (4 sq. ft) (Note 2)	1/2" SecurShield HD RL over Min. 1-1/2" VersiCore	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	1-90	479018-0-0	479021-0-0	-
Min. 1/2" Dens-Deck Prime or SECUROCK Gypsum Fiber	20 (1.6 sq. ft) (Note 2)	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL over Min. 1-1/2" VersiCore	Flexible DASH - Rig Splatter	1-135	-	-	-
Min. 1/2" Dens-Deck Prime or SECUROCK Gypsum Fiber	32 (1 sq. ft) (Note 2)	1/2" SecurShield HD RL over Min 1.5" VersiCore or SecurShield	Flexible DASH - Rig Splatter.	1-225	-	-	-
<b>Steel Deck (Min. 22-Gauge) / SureMB 70 SA and Cav-Grip 3V Primer</b>							
Min. 1/2" Dens-Deck Prime or SECUROCK Gypsum Fiber	8 (4 sq. ft) (Note 2)	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL over Min. 1-1/2" VersiCore	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	1-90	-	-	-
Min. 1/2" Dens-Deck Prime or SECUROCK Gypsum Fiber	20 (1.6 sq. ft) (Note 2)	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL over Min. 1-1/2" VersiCore	Flexible DASH - Rig Splatter.	1-135	-	-	-
<b>Steel Deck (Min. 22-Gauge) / SureMB 90TG or 120TG Base Torch Applied</b>							
Min. 1/2" Dens-Deck Prime or SECUROCK Gypsum Fiber	8 (4 sq. ft) (Note 2)	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL over Min. 1-1/2" VersiCore	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	1-90	-	-	-
Min. 1/2" Dens-Deck Prime or SECUROCK Gypsum Fiber	20 (1.6 sq. ft) (Note 2)	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL over Min. 1-1/2" VersiCore	Flexible DASH or Flexible DASH Dual Tank- ribbons 6" o.c.	1-135	-	-	-

Factory Mutual Approvals  
VersiFleece RL Roofing Systems

**VersiCore RL, SecurShield RL & SecurShield HD RL Polyiso Ratings - New Construction**

VersiFleece RL EPDM - Minimum 115-mil thickness

**Membrane Type:** VersiFleece RL TPO - Minimum 115-mil thickness

VersiFleece RL PVC- Minimum 115-mil thickness

**Insulation Adhesive:** Flexible DASH and Flexible DASH Dual Tank- Applied in ribbons, splatter and/or full spray as noted.

Base Insulation Layer	Base Layer Fastening	Top Insulation Layer	Top Layer Fastening	Rating	VersiFleece RL EPDM	VersiFleece RL TPO	VersiFleece RL PVC
					RoofNAV Number		
<b>Structural Concrete Deck</b>							
Min. 1-1/2" VersiCore	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	1-285	460108-0-0	460110-0-0	-
Min. 1-1/2" VersiCore	Flexible DASH- Full Spray or Splatter	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL	Flexible DASH- Full Spray or Splatter	1-285	430413-0-0	430423-0-0	510077-0-0
Min. 1-1/2" VersiCore (Optional)	Flexible DASH- Full Spray or Splatter	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL	Flexible DASH- Full Spray or Splatter	1-285	430424-0-0	430425-0-0	-
Min. 1-1/2" VersiCore	Loose-laid	Min 2" VersiCore RL or SecurShield RL	20 (1.6 sq. ft) (Note 5)	1-150	Pending	460469-0-0	-
<b>Structural Concrete Deck / VapAir Seal 725TR and Cav-Grip 3V, 702-LV or 702 Primer</b>							
Min. 1-1/2" VersiCore	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	1-285	460107-0-0	460109-0-0	-
<b>Structural Concrete Deck / SureMB 70 SA and Cav-Grip 3V Primer</b>							
Min. 1-1/2" VersiCore	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	1-285	-	-	-
<b>Structural Concrete Deck / SureMB 90TG and 120TG Base Torch Applied / Cut-Back Asphalt Primer</b>							
Min. 1-1/2" VersiCore	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	Min 2" VersiCore RL, SecurShield RL or 1/2" SecurShield HD RL	Flexible DASH or Flexible DASH Dual Tank- ribbons 12" o.c.	1-285	-	-	-

**Notes:**

1. Optional VapAir Seal MD or the combination of gypsum and VapAir 725TR may be applied over the steel deck.
2. Securement using InsuTITE Fastener & Insulation Fastening Plate.
3. Securement using InsuTITE Fastener & SecurFast Plate.
4. Securement using HPV Fastener & Insulation Fastening Plate.
5. Securement using CD-10 or MP 14-10 Fasteners & Insulation Fastening Plate.

Versico Roofing Systems, a division of Carlisle Construction Materials LLC P.O. Box 1289, Carlisle, PA 17013  
800-992-7663

Versico, VersiFleece RL EPDM, TPO and PVC are Trademarks  
of Versico Roofing Systems, a division of Carlisle Construction Materials, LLC

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.