



**VersiWeld® QA TPO
Quick-Applied Technology (QA) Roofing System**

**Code Approval Guide
January 2024**

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Versico Roofing Systems
VersiWeld® QA TPO
Quick-Applied Technology (QA) Roofing System

CODE APPROVAL GUIDE

January 2024

INTRODUCTION

This Code Approval Guide addresses both general information pertaining to Underwriters Laboratories (UL) and FM Approvals (FM) test criteria as well as specific UL and FM code approvals achieved with Versico's VersiWeld QA Adhered Roofing System. Various independent test laboratory results along with national building code approvals are also identified in this guide. Code approvals available with Versico's VersiFleece, VersiFlex and VersiGard Roofing Systems are identified in separately published Code Approval Guides.

Code ratings are categorized by roof system type and are separated into two sections: UL Approvals and FM Approvals. UL rated roof assemblies are grouped according to deck type (non-combustible or combustible) and are further categorized according to deck type and the specific type of construction (new, recover, tear-off or retrofit).

The listed assemblies contained in the guide are grouped generically based on deck classification. Specific substrate requirements for each Versico roofing system can be identified in the respective Versico specifications.

In the UL and FM Approvals throughout this guide, when multiple layers of insulation are referenced, the product listed first identifies the insulation directly below the membrane. For example; a listing of Recovery Board/Polyisocyanurate indicates the Recovery Board is installed directly under the membrane. A listing of Gypsum Board/Polystyrene indicates the Gypsum Board is installed directly under the membrane.

GENERAL GUIDELINES FOR UL AND FM APPROVALS
VersiWeld® QA TPO
Quick-Applied Technology (QA) Roofing System

No table of figures entries found. Approvals (FM) approved assembly is specified. Generally, the Versico published specifications reflect the minimum requirements necessary to obtain the applicable Versico warranty. Code requirements are not specifically covered in the Versico specifications and are considered to be above and beyond the provisions of the Versico warranty.

Individuals specifying an approved assembly or selecting various products to achieve a specific UL/FM rating must recognize the importance of ensuring proper component selection to fully comply with the most current listings published. All materials used in the roofing systems must be UL and/or FM approved and must have been tested together as part of a complete roof assembly.

In addition to the code approval listings in this guide, information pertaining to approved assemblies can also be obtained directly from UL and FM as follows:

1. *Underwriters Laboratories On-Line Certification Directory* (<https://productiq.ulprospector.com/en>)
2. *FM Approvals RoofNAV website* (roofnav.com). FM RoofNAV assembly numbers can be obtained from this website.

UL, FM Approvals and ASNI/SPRI WD-1 Clarifications/Enhancements

Underwriters Laboratories

1. The criteria required to obtain **UL External fire ratings** (Class A, B or C) can be identified in this guide or can be searched for on the UL website using the UL Category Code TGFU. UL ratings approved for use on combustible decks are also acceptable on non-combustible decks.
2. For **UL internal fire ratings** (hourly constructions – P Numbers), search the UL website use the UL Category Code BXUV.

FM Approvals

Uplift ratings listed in this guide are for the field of the roof. Additional requirements/enhancements are required by FM in the perimeter and corner areas, for deck securement and for perimeter nailer/edge attachment. Refer to FM Property Loss Prevention Data Sheets 1-28, 1-29 and 1-49 for specific requirements. On FM insured projects, the FM insuring agent **MUST** review and approve the proposed roofing assembly prior to installation. When FM is not the insuring entity for the building, use the **Approved American National Standard ANSI/SPRI WD-1** for design purposes.

Note: All Versico roof systems referenced within this document meet Class 1 construction and Severe Hail (SH) rating.

Approved American National Standard ANSI/SPRI WD-1

The ANSI/SPRI Wind Design Standard Practice for Roofing Assemblies should be referenced when a project is not FM insured. This document was developed as a consensus National Standard and provides a methodology for designing for wind uplift resistance of roofing system assemblies. Insulation fastening patterns are included in this document. The fastening patterns are approved for use by Versico.

RECOVERS

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.

SUMMARY

Due to complexity of the code documents and the variety of information that must be reviewed, it is important to consult with Versico and other respective manufactures concerning the most current available approvals.

- **Prior to project bid** – Products specified by the architect must be thoroughly investigated to determine if the specified rating can be achieved and local building codes must be consulted regarding any additional requirements.
- **Prior to installation** – Project managers should review the code requirements with field construction personnel to ensure compliance with project requirements.

Upon completion of the roofing installation, each project is inspected by a Versico Technical Representative to ensure compliance with Versico's current specification requirements for the issuance of the applicable warranty. However, this inspection is not for the purpose of verifying code compliance.

UL Approval
VersiWeld® QA TPO Roofing System

**VersiWeld® QA TPO
Quick-Applied Technology (QA) Roofing System**

Membrane Type: .060" VersiWeld QA TPO (Quick-Applied) Membrane

Non-Combustible: Steel; St. Concrete; Gypsum; Tectum (Min. 2" thick)

| System ID | Deck Type | Insulation | Cover Board | Maximum Slope |
|---|------------------------|---|--|------------------|
| | | | | VersiWeld QA TPO |
| Non-Combustible - ANSI/UL 790 Spread of Flame Test-Class A | | | | |
| 1 | Non-Combustible | VersiCore, SecurShield, SecurShield HD, SecurShield HD Plus or SecurShield HD Composite- any combination, any thickness | N/A | 1/2" |
| 2 | | Any UL Classified EPS or XPS Insulation, any thickness | Minimum 1/2" SecurShield HD, SecurShield HD Plus or SecurShield HD Composite | 1/2" |
| 3 | | Minimum 1" layer of VersiCore, SecurShield, or SecurShield HD Composite over any UL Classified EPS or XPS Insulation, maximum 1.25 pcf, any thickness | N/A | 1/2" |
| 4 | | Insulfoam HD Composite or Insulfoam HD Composite over Insulfoam EPS, any thickness and density. | N/A | 1/2" |
| 5 | | Minimum 1" layer of Insulfoam SP over any UL Classified insulation, any combination, any thickness | N/A | 1/2" |
| 6 | | Any UL Classified Insulation, any thickness (OPTIONAL) | Minimum 1/4" SECUROCK® Gypsum-Fiber | Unlimited |
| 7 | | Any UL Classified Insulation, any thickness (OPTIONAL) | Minimum 1/4" DensDeck Prime Roof Board | Unlimited |
| 8 | | Any UL Classified Insulation, any thickness (OPTIONAL) | Minimum 5/16" DuraStorm VSH | 1/2" |
| 9 | | Any UL Classified Insulation, any thickness (OPTIONAL) | Minimum 7/16" APA Rated OSB or Minimum 1-1/2" DuraFacer | 2" |

UL Approval
VersiWeld® QA TPO Roofing System

**VersiWeld® QA TPO
Quick-Applied Technology (QA) Roofing System**

Membrane Type: .060" VersiWeld QA TPO (Quick-Applied) Membrane

Combustible: 7/16-in. (minimum) thick non-veneer APA-rated sheathing (oriented strand board panels, structural particleboard panels, composite panels or waferboard panels); 15/32-in. (minimum) thick plywood 3/4 in. (minimum) wood; Tectum (less than 2" thick)

| System ID | Thermal Barrier/ Base Sheet | Insulation | Cover Board | Maximum Slope |
|---|--|---|---|---------------------|
| | | | | VersiWeld QA TPO |
| Combustible (1) - ANSI/UL 790 Spread of Flame Test-Class A | | | | |
| 1 | Minimum 1/4" SECUROCK® Gypsum Fiber or Glass Mat Roof Boards (2) | Any UL Classified Versico Polyisocyanurate Insulation, any combination, any thickness. | N/A | 1/2" |
| 2 | Minimum 1/4" DensDeck/DensDeck Prime Roof Boards (2) | Any UL Classified Versico Polyisocyanurate Insulation, any combination, any thickness. | N/A | 1/2" |
| 3 | N/A | Minimum 1" thick layer of SecurShield or SecurShield HD Composite is placed directly over a combustible roof deck. An optional layer or layers of any Versico Polyisocyanurate Insulation may be used below the minimum 1" thick top layer, any combination, any thickness. (3) | N/A | 1/2" |
| 4 | N/A | Minimum 1" thick layer of SecurShield or SecurShield HD Composite over a minimum 3-1/2" thick layer of any UL Classified EPS insulation is placed directly over a combustible roof deck. (3) | N/A | 1/2" |
| 5 | N/A | OPTIONAL layer or layers of any Versico Polyisocyanurate Insulation may be used below the minimum 1/2" thick top layer, any combination, any thickness. (3) | 1/2" thick SecurShield HD or SecurShield HD Plus is placed directly over a combustible roof deck. (3) | 1/2" |
| 6 | N/A | Minimum 4" thick layer of any UL Classified EPS insulation is placed directly over a combustible roof deck. (3) | 1/2" thick SecurShield HD or SecurShield HD Plus. (3) | 1/2" |
| 7 | N/A | Minimum 1-1/2" layer of Insulfoam HD Composite over a minimum 3" layer of Insulfoam EPS. (2) | N/A | 1/2" |
| 8 | N/A | Any UL Classified Versico Polyisocyanurate Insulation, any combination, any thickness. | Minimum 1/4" SECUROCK® Gypsum Fiber Roof Board (2) | 3" |
| 9 | N/A | Any UL Classified Insulation, any thickness (OPTIONAL) | Minimum 3/8" SECUROCK® Gypsum Fiber Roof Board (2) | 2" |
| 10 | N/A | Any UL Classified Insulation, any thickness (OPTIONAL) | Minimum 1/2" SECUROCK® Gypsum Fiber Roof Board (2) | 4" |
| 11 | N/A | Any UL Classified Insulation, any thickness (OPTIONAL) | Minimum 1/4" DensDeck Prime Roof Board (2) | Unlimited |
| 12 | Two layers of Versico FR Base Sheet | Any UL Classified Versico Polyisocyanurate Insulation, any combination, any thickness. | N/A | 1/2" |

UL Approval
 VersiWeld® QA TPO Roofing System

**VersiWeld® QA TPO
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Membrane Type: .060" VersiWeld QA TPO (Quick-Applied) Membrane

Combustible: 7/16-in. (minimum) thick non-veneer APA-rated sheathing (oriented strand board panels, structural particleboard panels, composite panels or waferboard panels); 15/32-in. (minimum) thick plywood 3/4 in. (minimum) wood; Tectum (less than 2" thick)

Non-Combustible: Steel, St. Concrete, Gypsum or Tectum (Min. 2" thick)

| System ID | Thermal Barrier/Base Sheet | Insulation | Cover Board | Maximum Slope |
|--|------------------------------------|--|-----------------------------|------------------|
| | | | | VersiWeld QA TPO |
| Combustible - ANSI/UL 790 Spread of Flame Test-Class B | | | | |
| 1 | One Layer of Versico FR Base Sheet | Any UL Classified Versico Polyisocyanurate Insulation, any combination, any thickness. | N/A | 1/2" |
| Non Combustible or Combustible - ANSI/UL 790 Spread of Flame Test-Class C | | | | |
| 1 | N/A | Any combination, any thickness of UL Classified Versico Polyisocyanurate Insulation | N/A | Unlimited |
| 2 | N/A | Any UL Classified Insulation, any thickness (OPTIONAL) | Minimum 5/16" DuraStorm VSH | 1/2" |

FM Approvals
VersiWeld® TPO (QA) Roofing System

**VersiWeld® QA TPO
SecurShield HD Ratings- New Construction**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|--|--|---|---|--------|---------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | Loose laid | 1/2" SecurShield HD | 12 (2.67 sq. ft) | 1-75 | - |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | Loose laid | 1/2" SecurShield HD | 16 (2 sq. ft) | 1-90 | 460514-0-0 |
| Min. 1-1/2" VersiCore Polyiso | 10 (3.2 sq. ft.) | 1/2" SecurShield HD | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft) | 1/2" SecurShield HD | 12" ribbons or Rig Splatter of DASH | 1-90 | 497445-0-0 |
| Min. 1/2" DensDeck Prime or Securock | 16 (2 sq. ft.) | 1/2" SecurShield HD over VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with CAV-GRIP 3V or 702 Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | 1/2" SecurShield HD over VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft) | 1/2" SecurShield HD over VersiCore Polyiso | DASH Rig Splatter | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | 1/2" SecurShield HD over VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft) | 1/2" SecurShield HD over VersiCore Polyiso | 6" ribbons of DASH | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120TG Base Torch Applied | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | 1/2" SecurShield HD over VersiCore Polyiso | 6" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft) | 1/2" SecurShield HD over VersiCore Polyiso | 6" ribbons of DASH | 1-135 | - |
| Concrete Deck | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1/2" SecurShield HD | 12" ribbons or Rig Splatter of DASH | 1-150 | 464175-0-0 |
| 3/4" OPTIM-R | 6" ribbons of DASH | 1/2" SecurShield HD | 6" ribbons of DASH | 1-90 | 438109-0-0 |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft) | 1/2" SecurShield HD | 6" ribbons of DASH | 1-90 | 423358-0-0 |
| Concrete Deck/VapAir Seal 725TR with CAV-GRIP 3V, 702 LV or 702 Primer | | | | | |
| 3/4" OPTIM-R | 6" ribbons of DASH | 1/2" SecurShield HD | 6" ribbons of DASH | 1-90 | 437594-0-0 |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1/2" SecurShield HD | 12" ribbons of DASH | 1-315 | 460510-0-0 |
| Concrete Deck/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" VersiCore Polyiso or Min. 1- 1/2" SecurShield | 12" ribbons of DASH | 1/2" SecurShield HD | 12" ribbons of DASH | 1-285 | 519863-0-0 |
| Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer | | | | | |
| Min. 1/2" VersiCore Polyiso or Min. 1- 1/2" SecurShield | 12" ribbons of DASH | 1/2" SecurShield HD | 12" ribbons of DASH | 1-315 | - |
| Concrete Deck/SureMB 90 SBS Hot Mopped/Cut-Back Asphalt Primer | | | | | |
| Min. 1/2" VersiCore Polyiso or Min. 1- 1/2" SecurShield | 12" ribbons of DASH | 1/2" SecurShield HD | 12" ribbons of DASH | 1-345 | 512302-0-0 |
| Gypsum Deck Tear-Off | | | | | |
| Min. 1/2" VersiCore Polyiso or Min. 1- 1/2" SecurShield | 12" ribbons of DASH | 1/2" SecurShield HD | 12" ribbons of DASH | 1-90 | - |
| Gypsum Deck Tear-Off/VapAir Seal 725TR with CAV-GRIP 3V, 702-LV or 702 Primer | | | | | |
| Min. 1/2" VersiCore Polyiso or Min. 1- 1/2" SecurShield | 12" ribbons or Rig Splatter of DASH | 1/2" SecurShield HD | 12" ribbons or Rig Splatter of DASH | 1-90 | 490377-0-0 |
| Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge) | | | | | |
| FM Approved | Loose laid | 1/2" SecurShield HD | 12 (2.67 sq. ft) | 1-75 | - |
| FM Approved | Loose laid | 1/2" SecurShield HD | 16 (2 sq. ft) | 1-90 | - |
| Treated Wood Deck Tear-Off | | | | | |

FM Approvals
VersiWeld® TPO (QA) Roofing System

**VersiWeld® QA TPO
SecurShield HD Ratings- New Construction**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|---|--|----------------------|---|--------|---------------------|
| | | | | | RoofNAV Number |
| Min. 1/2" DensDeck or Securock overlaid with Min. 1.5" VersiCore | Loose laid | 1/2" SecurShield HD | 16 (2 sq. ft) | 1-90 | 511160-0-0 |

FM Approvals
VersiWeld® TPO (QA) Roofing System

**VersiWeld® QA TPO
SecurShield HD Ratings- Recover**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|-----------------------------------|--|----------------------|---|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| - | - | 1/2" SecurShield HD | 12 (2.67 sq. ft) | 1-75 | - |
| - | - | 1/2" SecurShield HD | 16 (2 sq. ft) | 1-90 | 393509-0-0 |
| - | - | 1/2" SecurShield HD | 6" ribbons of DASH | 1-90 | - |
| - | - | 1/2" SecurShield HD | 4" ribbons of DASH | 1-90 | - |
| Concrete Deck | | | | | |
| Min. 1/2" VersiCore Polyiso | 6" ribbons of DASH | 1/2" SecurShield HD | 6" ribbons of DASH | 1-90 | - |
| - | - | 1/2" SecurShield HD | 6" ribbons of DASH | 1-90 | - |
| Gypsum Deck | | | | | |
| - | - | 1/2" SecurShield HD | 6" ribbons of DASH | 1-90 | 386256-0-0 |

VersiWeld® QA TPO SecurShield HD Plus Ratings- New Construction

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|---|--|--|---|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | Loose laid | 1/2" SecurShield HD Plus | 8 (4 sq. ft) | 1-90 | 428868-0-0 |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | Loose laid | 1/2" SecurShield HD Plus | 16 (2 sq. ft) | 1-90 | 460519-0-0 |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | Loose laid | 1/2" SecurShield HD Plus | 18 (1.8 sq. ft) | 1-120 | 502759-0-0 |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | Loose laid | 1/2" SecurShield HD Plus | 24 (1.33 sq. ft) | 1-210 | 502760-0-0 |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | 10 (3.2 sq. ft.) | 1/2" SecurShield HD Plus | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft) | 1/2" SecurShield HD Plus | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 16 (2 sq. ft.) | 1/2" SecurShield HD Plus over VersiCore Polyiso | 6" ribbons of DASH | 1-90 | - |
| Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with CAV-GRIP 3V or 702 Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | 1/2" SecurShield HD Plus over VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | 1/2" SecurShield HD Plus over VersiCore Polyiso | DASH Rig Splatter | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | 1/2" SecurShield HD Plus over VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | 1/2" SecurShield HD Plus over VersiCore Polyiso | 6" ribbons of DASH | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120TG Base Torch Applied | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | 1/2" SecurShield HD Plus over VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | 1/2" SecurShield HD Plus over VersiCore Polyiso | 6" ribbons of DASH | 1-135 | - |
| Concrete Deck | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1/2" SecurShield HD Plus | 12" ribbons of DASH | 1-150 | 464175-0-0 |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | 10 (3.2 sq. ft.) | 1/2" SecurShield HD Plus | 6" ribbons of DASH | 1-90 | 423336-0-0 |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft) | 1/2" SecurShield HD Plus | 6" ribbons of DASH | 1-90 | 423358-0-0 |
| Concrete Deck/VapAir Seal 725TR with CAV-GRIP 3V, 702-LV or 702 Primer | | | | | |
| Min. 1/2" VersiCore Polyiso or Min. 1-1/2" SecurShield | 12" ribbons of DASH | 1/2" SecurShield HD Plus | 12" ribbons of DASH | 1-315 | - |
| Concrete Deck/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" VersiCore Polyiso or Min. 1-1/2" SecurShield | 12" ribbons of DASH | 1/2" SecurShield HD Plus | 12" ribbons of DASH | 1-285 | 519863-0-0 |
| Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer | | | | | |
| Min. 1/2" VersiCore Polyiso or Min. 1-1/2" SecurShield | 12" ribbons of DASH | 1/2" SecurShield HD Plus | 12" ribbons of DASH | 1-315 | - |
| Gypsum Deck Tear-Off | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1/2" SecurShield HD Plus | 12" ribbons of DASH | 1-90 | - |
| Gypsum Deck Tear-Off/VapAir Seal 725TR with CAV-GRIP 3V, 702-LV or 702 Primer | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1/2" SecurShield HD Plus | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| (Celcore) Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge) | | | | | |
| FM Approved | Loose laid | 1/2" SecurShield HD Plus | 8 (4 sq. ft) | 1-90 | - |
| - | - | 1/2" SecurShield HD Plus | 8 (4 sq. ft) | 1-90 | - |

FM Approvals
VersiWeld® TPO (QA) Roofing System

**VersiWeld® QA TPO
SecurShield HD Plus Ratings- New Construction**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| | | | | | |
|--|--|-----------------------------|---|---------------|-------------------------|
| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
| | | | | | RoofNAV Number |

FM Approvals
VersiWeld® TPO (QA) Roofing System

**VersiWeld® QA TPO
SecurShield HD Plus Ratings- Recover**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|-----------------------------------|--|--------------------------|---|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| - | - | 1/2" SecurShield HD Plus | 8 (4 sq. ft) | 1-90 | - |
| - | - | 1/2" SecurShield HD Plus | 6" ribbons of DASH | 1-90 | - |
| - | - | 1/2" SecurShield HD Plus | 4" ribbons of DASH | 1-90 | - |
| Concrete Deck | | | | | |
| Min. 1/2" VersiCore Polyiso | 6" ribbons of DASH | 1/2" SecurShield HD Plus | 6" ribbons of DASH | 1-90 | - |
| - | - | 1/2" SecurShield HD Plus | 6" ribbons of DASH | 1-90 | - |
| Gypsum Deck | | | | | |
| Min. 1-1/2" VersiCore Polyiso | Full-Coverage DASH | 1/2" SecurShield HD Plus | Full-Coverage DASH | 1-90 | - |

FM Approvals
VersiWeld® TPO (QA) Roofing System

VersiWeld® QA TPO
VersiCore Ratings- New Construction

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|--|---|-------------------------------|--|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 16 (2 sq. ft.) | - | - | 1-90 | 211158-0-0 |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft.) | - | - | 1-90 | 211139-0-0 |
| Min. 2" VersiCore Polyiso | 32 (1 sq. ft.) | - | - | 1-150 | 450651-0-0 |
| Min. 1-1/2" VersiCore Polyiso | 10 (3.2 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft.) | Min. 2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | 18 (1.8 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | 6" ribbons of DASH | 1-105 | - |
| Min. 1-1/2" VersiCore Polyiso | 24 (1.33 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | 4" ribbons of DASH | 1-150 | - |
| Min. 1/2" DensDeck Prime or Securock | 16 (2 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with CAV-GRIP 3V or 702 Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | DASH Rig Splatter | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | 6" ribbons of DASH | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120TG Base Torch Applied | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | Min. 1-1/2" VersiCore Polyiso | 6" ribbons of DASH | 1-135 | Pending |
| Concrete Deck | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 16 (2 sq. ft.) | - | - | 1-90 | 211164-0-0 |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | - | - | 1-150 | 466129-0-0 |
| Min. 1/2" VersiCore Polyiso | Full-Coverage DASH | - | - | 1-150 | - |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | - | - | 1-90 | 389499-0-0 |
| Min. 1/2" VersiCore Polyiso | Hot Asphalt | - | - | 1-90 | - |
| Concrete Deck/VapAir Seal 725TR with CAV-GRIP 3V, 702- LV or 702 Primer | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | - | - | 1-150 | - |
| Concrete Deck/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-150 | - |
| Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-150 | - |
| Gypsum Deck Tear-Off | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 16 (2 sq. ft.) | - | - | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | - | - | 1-90 | - |
| Gypsum Deck Tear-Off/VapAir Seal 725TR with CAV-GRIP 3V, 702-LV or 702 Primer | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | - | - | 1-90 | - |
| Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge) | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 16 (2 sq. ft.) | - | - | 1-90 | - |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft.) | - | - | 1-90 | - |
| Min. 2" VersiCore Polyiso | 20 (1.6 sq. ft.) | - | - | 1-90 | - |

FM Approvals
 VersiWeld® TPO (QA) Roofing System

VersiWeld® QA TPO
VersiCore Ratings- New Construction

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| | | | | | |
|---|--|----------------------|---|--------|------------------|
| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
| | | | | | RoofNAV Number |

FM Approvals
VersiWeld® TPO (QA) Roofing System

VersiWeld® QA TPO
VersiCore Ratings- Recover

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|-----------------------------------|---|----------------------|--|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| 1" VersiCore Polyiso | 20 (1.6 sq. ft) | - | - | 1-90 | 269886-0-0 |
| 1" VersiCore Polyiso | 6" ribbons of DASH | - | - | 1-90 | - |
| Concrete Deck | | | | | |
| 1" VersiCore Polyiso | 20 (1.6 sq. ft) | - | - | 1-90 | 267271-0-0 |
| 1/2" VersiCore Polyiso | 12" ribbons of DASH | - | - | 1-90 | - |
| Gypsum Deck | | | | | |
| 1" VersiCore Polyiso | 20 (1.6 sq. ft) | - | - | 1-90 | - |
| 1" VersiCore Polyiso | Full-Coverage DASH | - | - | 1-90 | - |

**VersiWeld® QA TPO
SecurShield or SecurShield HD Composite Ratings- New Construction**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|--|--|---|---|--------|---------------------|
| | | | | | KOOLINA V |
| Steel Deck (Min. 22 Gauge) | | | | | |
| Min. 1-1/2" SecurShield or SecurShield HD Composite | 16 (2 sq. ft.) | - | - | 1-90 | - |
| Min. 2" SecurShield or SecurShield HD Composite | 8 (4 sq. ft.) | - | - | 1-90 | - |
| Min. 1-1/2" VersiCore or SecurShield | Loose-Laid | Min. 2" SecurShield HD Composite | 6 (5.33 sq. ft.) | 1-90 | 497447-0-0 |
| Min. 2" SecurShield or SecurShield HD Composite | 20 (1.6 sq. ft.) | - | - | 1-90 | 211139-0-0 |
| Min. 1-1/2" VersiCore Polyiso | 10 (3.2 sq. ft.) | Min. 1-1/2" SecurShield or SecurShield HD Composite | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 2" VersiCore Polyiso or SecurShield | 8 (4 sq. ft.) | Min. 2" SecurShield or SecurShield HD Composite | 12" ribbons or Rig Splatter of DASH | 1-90 | 497446-0-0 |
| Min. 1/2" DensDeck Prime or Securock | 16 (2 sq. ft.) | Min. 1-1/2" SecurShield or SecurShield HD Composite | 6" ribbons of DASH | 1-90 | - |
| Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with CAV-GRIP 3V or 702 Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | Min. 1-1/2" SecurShield or SecurShield HD Composite | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | Min. 1-1/2" SecurShield or SecurShield HD Composite | DASH Rig Splatter | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | Min. 1-1/2" SecurShield or SecurShield HD Composite | 12" ribbons of DASH | 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 DASH | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120TG Base Torch Applied | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | Min. 1-1/2" SecurShield or SecurShield HD Composite | 12" ribbons of DASH | 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 DASH | 1-135 | - |
| Concrete Deck | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 2" SecurShield or SecurShield HD Composite | 12" ribbons of DASH | 1-150 | 464176-0-0 |
| Min. 2" SecurShield or SecurShield HD Composite | 12" ribbons of DASH | - | - | 1-90 | - |

VersiWeld® QA TPO
SecurShield or SecurShield HD Composite Ratings- New Construction

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|--|--|--|---|--------|---------------------|
| | | | | | KOOLINA V |
| Concrete Deck/VapAir Seal 725TR with Cav-Grip 3V, 702-LV or 702 Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 2" SecurShield HD Composite | 12" ribbons of DASH | 1-315 | 469971-0-0 |
| Concrete Deck/SureMB 70 SA with Cav-Grip 3V Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 2" SecurShield or SecurShield HD Composite | 12" ribbons of DASH | 1-285 | 519874-0-0 |
| Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 2" SecurShield or SecurShield HD Composite | 12" ribbons of DASH | 1-315 | - |
| Gypsum Deck Tear-Off | | | | | |
| Min. 1-1/2" SecurShield or SecurShield HD Composite | 16 (2 sq. ft) | - | - | 1-90 | - |
| Min. 1-1/2" SecurShield or SecurShield HD Composite | 12" ribbons of DASH | - | - | 1-90 | - |
| Gypsum Deck Tear-Off/VapAir Seal 725TR with Cav-Grip 3V, 702-LV or 702 Primer | | | | | |
| Min. 1-1/2" SecurShield or SecurShield HD Composite | 12" ribbons or Rig Splatter of DASH | - | - | 1-90 | - |
| Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge) | | | | | |
| Min. 1-1/2" SecurShield or SecurShield HD Composite | 16 (2 sq. ft) | - | - | 1-75 | - |
| Min. 2" SecurShield or SecurShield HD Composite | 8 (4 sq. ft) | - | - | 1-90 | - |
| Min. 2" SecurShield or SecurShield HD Composite | 20 (1.6 sq. ft.) | - | - | 1-90 | - |
| Min. 2" SecurShield or SecurShield HD Composite | 32 (1 sq. ft.) | - | - | 1-90 | - |

FM Approvals
VersiWeld® TPO (QA) Roofing System

**VersiWeld® QA TPO
SecurShield Ratings- Recover**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|-----------------------------------|--|----------------------|---|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| 1" SecurShield | 20 (1.6 sq. ft) | - | - | 1-90 | - |
| Concrete Deck | | | | | |
| 1/2" SecurShield | 12" ribbons of DASH | - | - | 1-90 | - |
| Gypsum Deck | | | | | |
| 1" SecurShield | 20 (1.6 sq. ft) | - | - | 1-90 | - |
| 1" SecurShield | Full-Coverage DASH | - | - | 1-90 | - |

FM Approvals
VersiWeld® TPO (QA) Roofing System

VersiWeld® QA TPO
SECUROCK Gypsum Fiber Roof Board Ratings- New Construction

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|--|--|--|---|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 1/4" Securock | 12 (2.66 sq. ft) | 1-75 | - |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 1/4" Securock | 16 (2 sq. ft.) | 1-90 | 211160-0-0 |
| - | - | Min. 1/2" Securock | 16 (2 sq. ft.) | 1-90 | 367892-0-0 |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 1/4" Securock | 10 (3.2 sq. ft) SecurFAST Plate | 1-90 | 443294-0-0 |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 3/8" Securock | 8 (4 sq. ft) SecurFAST Plate | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 1/2" Securock | 10 (3.2 sq. ft) | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 1/2" Securock | 8 (4 sq. ft) SecurFAST Plate | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 1/2" Securock | 6 (5.33 sq. ft) SecurFAST Plate | 1-75 | - |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 5/8" Securock | 8 (4 sq. ft) | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 5/8" Securock | 6 (5.33 sq. ft) SecurFAST Plate | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | 10 (3.2 sq. ft.) | Min. 1/4" Securock | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | 10 (3.2 sq. ft.) | Min. 1/4" Securock over Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | 504950-0-0 |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft) | Min. 1/4" Securock | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft) | Min. 1/4" Securock over Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | 504949-0-0 |
| Min. 2" VersiCore Polyiso | 16 (2 sq. ft) | Min. 1/2" Securock | 12" ribbons or Rig Splatter of DASH | 1-120 | 509832-0-0 |
| Min. 1/2" DensDeck Prime or Securock | 16 (2 sq. ft.) | Min. 1/4" Securock over Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with CAV-GRIP 3V or 702 Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | Min. 1/4" Securock over Min. 1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | 490372-0-0 |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | Min. 1/4" Securock over Min. 1/2" VersiCore Polyiso | DASH Rig Splatter | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | Min. 1/4" Securock over Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | Min. 1/4" Securock over Min. 1/2" VersiCore Polyiso | 6" ribbons of DASH | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120TG Base Torch Applied | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | Min. 1/4" Securock over Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | Min. 1/4" Securock over Min. 1/2" VersiCore Polyiso | 6" ribbons of DASH | 1-135 | - |

FM Approvals
VersiWeld® TPO (QA) Roofing System

VersiWeld® QA TPO
SECUROCK Gypsum Fiber Roof Board Ratings- New Construction

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|---|--|----------------------|---|--------|------------------|
| | | | | | RoofNAV Number |
| Concrete Deck | | | | | |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 1/4" Securock | 16 (2 sq. ft.) | 1-90 | 211163-0-0 |
| Min. 1/2" VersiCore Polyiso | Full-Coverage DASH | Min. 1/4" Securock | Full-Coverage DASH | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1/4" Securock | 12" ribbons of DASH | 1-150 | 464174-0-0 |
| Min. 1/2" VersiCore Polyiso | Hot Asphalt | Min. 1/4" Securock | Hot Asphalt | 1-90 | - |
| Concrete Deck/VapAir Seal 725TR with CAV-GRIP 3V Primer, 702 LV Primer or 702 Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1/4" Securock | 12" ribbons of DASH | 1-315 | 459563-0-0 |
| Concrete Deck/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1/4" Securock | 12" ribbons of DASH | 1-285 | 519862-0-0 |
| Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1/4" Securock | 12" ribbons of DASH | 1-255 | 512185-0-0 |
| Gypsum Deck Tear-Off | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1/4" Securock | 12" ribbons of DASH | 1-90 | - |
| Gypsum Deck Tear-Off/VapAir Seal 725TR with CAV-GRIP 3V, 702-LV or 702 Primer | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | Min. 1/4" Securock | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge) | | | | | |
| FM Approved | Loose laid | Min. 1/4" Securock | 12 (2.67 sq. ft) | 1-75 | - |
| FM Approved | Loose laid | Min. 1/2" Securock | 10 (3.2 sq. ft) | 1-90 | - |
| FM Approved | Loose laid | Min. 5/8" Securock | 8 (4 sq. ft) | 1-90 | - |
| FM Approved | Loose laid | Min. 1/2" Securock | 20 (1.6 sq. ft) | 1-90 | - |
| FM Approved | Loose laid | Min. 1/2" Securock | 32 (1 sq. ft) | 1-90 | - |

FM Approvals
VersiWeld® TPO (QA) Roofing System

**VersiWeld® QA TPO
SECUROCK Gypsum Fiber Roof Board Ratings- Recover**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|-----------------------------------|--|----------------------|---|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| - | - | Min. 1/4" Securock | 16 (2 sq. ft.) | 1-90 | 349155-0-0 |
| Gypsum | | | | | |
| - | - | Min. 1/4" Securock | 6" ribbons of DASH | 1-90 | 386162-0-0 |

FM Approvals
VersiWeld® TPO (QA) Roofing System

VersiWeld® QA TPO
DensDeck Prime Roof Board Ratings- New Construction

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|--|--|---|---|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | Loose laid | Min. 1/4" DensDeck Prime | 12 (2.67 sq. ft) | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 1/2" DensDeck Prime | 8 (4 sq.ft) | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso or SecurShield | Loose laid | Min. 1/2" DensDeck Prime | 20 (1.6 sq. ft) | 1-150 | 459569-0-0 |
| Min. 1-1/2" VersiCore Polyiso | 10 (3.2 sq. ft.) | Min. 1/4" DensDeck Prime | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 1-1/2" VersiCore Polyiso | 10 (3.2 sq. ft.) | Min. 1/4" DensDeck Prime over Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | 504950-0-0 |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft) | Min. 1/4" DensDeck Prime | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Min. 2" VersiCore Polyiso | 8 (4 sq. ft) | Min. 1/4" DensDeck Prime over Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | 504949-0-0 |
| Min. 2" VersiCore Polyiso | 16 (2 sq. ft) | Min. 1/2" DensDeck Prime | 12" ribbons or Rig Splatter of DASH | 1-120 | 509832-0-0 |
| Min. 1/2" DensDeck Prime | 16 (2 sq. ft.) | Min. 1/4" DensDeck Prime over Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Steel Deck (Min. 22 Gauge)/VapAir Seal 725TR with CAV-GRIP 3V or 702 Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | 1/4" DensDeck Prime over Min. 1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | 1-90 | 490372-0-0 |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | 1/4" DensDeck Prime over Min. 1/2" VersiCore Polyiso | DASH Rig Splatter | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | 1/4" DensDeck Prime over Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | 1/4" DensDeck Prime over Min. 1/2" VersiCore Polyiso | 6" ribbons of DASH | 1-135 | - |
| Steel Deck (Min. 22 Gauge)/SureMB 90TG or 120TG Base Torch Applied | | | | | |
| Min. 1/2" DensDeck Prime or Securock | 8 (4 sq. ft.) | 1/4" DensDeck Prime over Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | 1-90 | - |
| Min. 1/2" DensDeck Prime or Securock | 20 (1.6 sq. ft.) | 1/4" DensDeck Prime over Min. 1-1/2" VersiCore Polyiso | 6" ribbons of DASH | 1-135 | - |
| Concrete Deck | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1/4" DensDeck Prime | 12" ribbons of DASH | 1-150 | 464174-0-0 |
| Min. 1-1/2" VersiCore Polyiso | Hot Asphalt | Min. 1/4" DensDeck Prime | Hot Asphalt | 1-90 | - |
| Concrete Deck/VapAir Seal 725TR with CAV-GRIP 3V, 702-LV or 702 Primer | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1/4" DensDeck Prime | 12" ribbons of DASH | 1-315 | 460507-0-0 |
| Concrete Deck/SureMB 70 SA with CAV-GRIP 3V Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | 1/4" DensDeck Prime | 12" ribbons of DASH | 1-285 | 519862-0-0 |
| Concrete Deck/SureMB 90TG or 120TG Base Torch Applied/Cut-Back Asphalt Primer | | | | | |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | 1/4" DensDeck Prime | 12" ribbons of DASH | 1-255 | 512185-0-0 |
| Gypsum Deck Tear-Off | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 1/4" DensDeck Prime | 12" ribbons of DASH | 1-90 | - |
| Gypsum Deck Tear-Off/VapAir Seal 725TR with CAV-GRIP 3V, 702-LV or 702 Primer | | | | | |
| Min. 1-1/2" VersiCore Polyiso | 12" ribbons or Rig Splatter of DASH | Min. 1/4" DensDeck Prime | 12" ribbons or Rig Splatter of DASH | 1-90 | - |
| Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge) | | | | | |
| FM Approved | Loose laid | Min. 1/4" DensDeck Prime | 12 (2.67 sq. ft) | 1-90 | - |
| FM Approved | Loose laid | Min. 1/2" DensDeck Prime | 10 (3.2 sq. ft) | 1-90 | - |
| FM Approved | Loose laid | Min. 5/8" DensDeck Prime | 8 (4 sq. ft) | 1-90 | - |

FM Approvals
VersiWeld® TPO (QA) Roofing System

**VersiWeld® QA TPO
DensDeck Prime Roof Board Ratings- Recover**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|---------------------------|--|--------------------------|---|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck | | | | | |
| Min. 1" VersiCore Polyiso | 20 (1.6 sq. ft) | Min. 1/4" DensDeck Prime | 12" ribbons of DASH | 1-90 | - |
| Concrete Deck | | | | | |
| Min. 1" VersiCore Polyiso | 20 (1.6 sq. ft) | Min. 1/4" DensDeck Prime | 12" ribbons of DASH | 1-90 | - |

FM Approvals
VersiWeld® TPO (QA) Roofing System

**VersiWeld® QA TPO
DuraFacer Ratings- New Construction**

Membrane Type: .060" VersiWeld TPO QA (Quick-Applied) Membrane

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

| Base Insulation Layer (Max. thickness 36") | Base Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Top Insulation Layer | Top Layer Fastening (mechanically fastened see notes 10, 11 & 12) | Rating | VersiWeld QA TPO |
|---|--|-------------------------|---|--------|------------------|
| | | | | | RoofNAV Number |
| Steel Deck (Min. 22 Gauge) | | | | | |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 2" DuraFacer | 17 (1.9 sq. ft) | 1-90 | 220250-0-0 |
| Concrete Deck | | | | | |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 2" DuraFacer | 16 (2 sq. ft) | 1-90 | 211162-0-0 |
| Min. 1-1/2" VersiCore Polyiso | Loose laid | Min. 2" DuraFacer | 17 (1.9 sq. ft) | 1-90 | 220251-0-0 |
| Min. 1/2" VersiCore Polyiso | 12" ribbons of DASH | Min. 2" DuraFacer | 12" ribbons of DASH | 1-90 | 389498-0-0 |
| Gypsum Deck Tear-Off | | | | | |
| Min. 1-1/2" VersiCore Polyiso | Full-Coverage DASH | Min. 2" DuraFacer | Full-Coverage DASH | 1-90 | - |
| Cellular Lightweight Insulating Concrete/Steel Decking (Min. 22 Gauge) | | | | | |
| FM Approved | Loose laid | Min. 2" DuraFacer | 17 (1.8 sq. ft) | 1-90 | - |

VersiWeld® TPO - Quick Applied Technology

VersiWeld® QA TPO Quick-Applied Technology (QA) Roofing System

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 inches from the deck joints or from the insulation joints directly below.
3. All insulation joints must be staggered a minimum of 12 inches from the deck joints or from the insulation joints directly below.
4. DELETED
5. DELETED
6. DELETED
7. DELETED
8. DELETED
9. DELETED
10. HPV fastener/Insulation plate.
11. InsulTITE fastener/Insulation plate.
12. InsulTITE fastener/SecurFAST Insulation Fastening plate.

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

800-992-7663

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