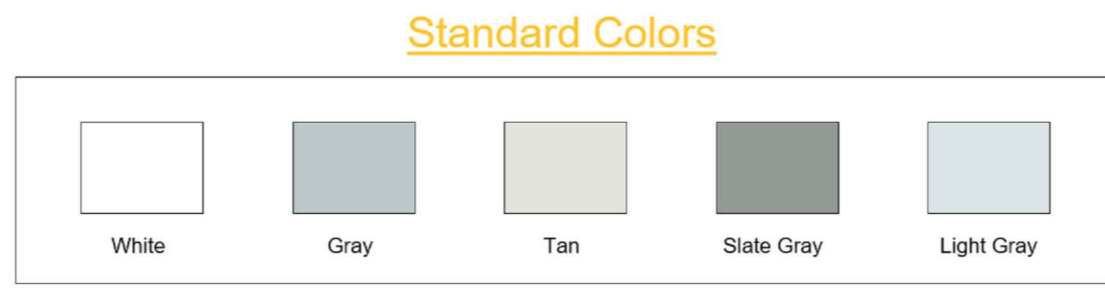


Florida HVHZ Light-Weight Insulating Concrete VersiFlex™ and VersiFleece® PVC Roof Families



Family	Assembly Description	Material	MDP
VersiFlex™ PVC	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-37	-60 MDP
	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-39	-82.5 MDP
	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-40	-80 MDP
	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-57	-80 MDP
VersiFleece® PVC	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-46	-60 MDP
	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-47	-67.5 MDP
	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-49	-100 MDP
	Fully Adhered With Concrete Cellular Concrete, Bonding Agent, & Curing Compound Insulfoam HB on Metal Deck	LWC-50	-87.5 MDP
	Fully Adhered With Concrete Cellular Concrete & Insulfoam HB on Metal Deck	LWC-52	-135 MDP
	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	LWC-55	-97.5 MDP
	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	LWC-56	-112.5 MDP
	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Structural Concrete Deck	LWC-60	-232.5 MDP

Florida HVHZ Light-Weight Insulating Concrete VersiFlex™ & VersiFleece® KEE HP Roof Families



Family	Assembly Description	Material	MDP
VersiFlex™ KEE HP	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	LWC-41	-82.5 MDP
	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	LWC-42	-82.5 MDP
	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	LWC-43	-87.5 MDP
	Fully Adhered With Concrete Cellular Concrete & Insulfoam HB on Metal Deck	LWC-56	-135 MDP
VersiFleece® KEE HP	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-46	-60 MDP
	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-47	-67.5 MDP
	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	LWC-49	-100 MDP
	Fully Adhered With Concrete Cellular Concrete, Bonding Agent, & Curing Compound Insulfoam HB on Metal Deck	LWC-50	-87.5 MDP
	Fully Adhered With Concrete Cellular Concrete & Insulfoam HB on Metal Deck	LWC-52	-135 MDP
	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	LWC-55	-97.5 MDP
	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	LWC-56	-112.5 MDP
	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Structural Concrete Deck	LWC-60	-232.5 MDP

HVHZ PVC LightWeight Insulating Concrete Roof Type Schedule

Type	HVHZ Compliance Designation	NEMO Evaluation System No.	Wind Pressure Uplift Rating	Type Comments	Manufacturer
VersiFlex™ PVC On LightWeight Insulated Concrete - HVHZ LWC-37	HVHZ	LWC-37	-60	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Min. 1" Holey Board optional.	Versico Roofing Systems
VersiFlex™ PVC On LightWeight Insulated Concrete - HVHZ LWC-39	HVHZ	LWC-39	-82.5	See NEMO Documentation for Minimum Structural Deck & deck preparation Requirements, LWC Structural Properties, & adhesive requirements.	Versico Roofing Systems
VersiFlex™ PVC On LightWeight Insulated Concrete - HVHZ LWC-40	HVHZ	LWC-40	-80	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Fastening rates & Casting Density. Use of Min. 1" Holey Board optional.	Versico Roofing Systems
VersiFleece® PVC On LightWeight Insulated Concrete - HVHZ LWC-46	HVHZ	LWC-46	-60	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Min. 1" Holey Board optional.	Versico Roofing Systems
VersiFleece® PVC On LightWeight Insulated Concrete - HVHZ LWC-47	HVHZ	LWC-47	-67.5	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Casting Density, & mechanical fastening rate. Use of Min. 1" Holey Board optional.	Versico Roofing Systems
VersiFleece® PVC On LightWeight Insulated Concrete - HVHZ LWC-49	HVHZ	LWC-49	-100	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Casting Density, & mechanical fastening rate. Use of Min. 1" Holey Board optional.	Versico Roofing Systems
VersiFleece® PVC On LightWeight Insulated Concrete - HVHZ LWC-50	HVHZ	LWC-50	-87.5	See NEMO Documentation for Minimum Structural Deck Requirements, Deck preparation, & LWC Structural Properties. Use of Min. 1" Holey Board required. Concrete Curing compound is optional.	Versico Roofing Systems
VersiFleece® PVC On LightWeight Insulated Concrete - HVHZ LWC-52	HVHZ	LWC-52	-135	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties. Use of Min. 2" Holey Board Required.	Versico Roofing Systems
VersiFleece® PVC On LightWeight Insulated Concrete - HVHZ LWC-55	HVHZ	LWC-55	-97.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of 1" Thick Holey Board required.	Versico Roofing Systems
VersiFleece® PVC On LightWeight Insulated Concrete - HVHZ LWC-56	HVHZ	LWC-56	-112.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of 1" Thick Holey Board required.	Versico Roofing Systems
VersiFlex™ PVC On LightWeight Insulated Concrete - HVHZ LWC-57	HVHZ	LWC-57	-80	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Min. 1" Holey Board optional.	Versico Roofing Systems
VersiFleece® PVC On LightWeight Insulated Concrete - HVHZ LWC-60	HVHZ	LWC-60	-232.5	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Min. 1" Holey Board optional.	Versico Roofing Systems

InsulFoam EPS Insulation Roof Family Material Selection Notes:

- InsulFoam EPS is not compatible with solvent-based adhesives. If solvent based adhesives are to be used, a coverboard must separate the membrane adhesive from the EPS insulation.
- Fasten FAST™ (Low-Rise Polyurethane) Adhesive is compatible for direct attachment in Fully adhered systems between:
 - Vertical Seal MD 757R air and vapor barrier (where used) and lower insulation layer
 - Structural Deck and lower insulation layers where air/vapor barrier is not utilized
 - EPS Insulation layers
 - Coverboards and insulation
 - FleeceBACK® membranes (including FleeceBACK® RL™ membranes) and concrete/eps insulation.
- Coverboards must be used where InsulFoam EPS is the primary insulating roof board and Induction Welding is the membrane attachment method.

HVHZ KEE HP LightWeight Insulating Concrete Roof Type Schedule

Type	HVHZ Compliance Designation	NEMO Evaluation System No.	Wind Pressure Uplift Rating	Type Comments	Manufacturer
VersiFlex™ KEE HP On LightWeight Insulated Concrete - HVHZ LWC-41	HVHZ	LWC-41	-82.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Holey Board optional.	Versico Roofing Systems
VersiFlex™ KEE HP On LightWeight Insulated Concrete - HVHZ LWC-42	HVHZ	LWC-42	-82.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of 2" Thick Holey Board required.	Versico Roofing Systems
VersiFlex™ KEE HP On LightWeight Insulated Concrete - HVHZ LWC-43	HVHZ	LWC-43	-87.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of 1" Thick Holey Board required.	Versico Roofing Systems
VersiFleece® KEE HP On LightWeight Insulated Concrete - HVHZ LWC-46	HVHZ	LWC-46	-60	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Min. 1" Holey Board optional.	Versico Roofing Systems
VersiFleece® KEE HP On LightWeight Insulated Concrete - HVHZ LWC-47	HVHZ	LWC-47	-67.5	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Casting Density, & mechanical fastening rate. Use of Min. 1" Holey Board optional.	Versico Roofing Systems
VersiFleece® KEE HP On LightWeight Insulated Concrete - HVHZ LWC-49	HVHZ	LWC-49	-100	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Casting Density, & mechanical fastening rate. Use of Min. 1" Holey Board optional.	Versico Roofing Systems
VersiFleece® KEE HP On LightWeight Insulated Concrete - HVHZ LWC-50	HVHZ	LWC-50	-87.5	See NEMO Documentation for Minimum Structural Deck Requirements, Deck preparation, & LWC Structural Properties. Use of Min. 1" Holey Board required. Concrete Curing compound is optional.	Versico Roofing Systems
VersiFleece® KEE HP On LightWeight Insulated Concrete - HVHZ LWC-52	HVHZ	LWC-52	-135	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties. Use of Min. 2" Holey Board Required.	Versico Roofing Systems
VersiFleece® KEE HP On LightWeight Insulated Concrete - HVHZ LWC-55	HVHZ	LWC-55	-97.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of 1" Thick Holey Board required.	Versico Roofing Systems
VersiFleece® KEE HP On LightWeight Insulated Concrete - HVHZ LWC-56	HVHZ	LWC-56	-112.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of 1" Thick Holey Board required.	Versico Roofing Systems
VersiFlex™ KEE HP On LightWeight Insulated Concrete - HVHZ LWC-58	HVHZ	LWC-58	-330	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Holey Board optional.	Versico Roofing Systems
VersiFleece® KEE HP On LightWeight Insulated Concrete - HVHZ LWC-60	HVHZ	LWC-60	-232.5	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Min. 1" Holey Board optional.	Versico Roofing Systems



How to Use Versico's Florida Building Code-Based Roof Assemblies:

Each Roof Assembly can be identified by the following group of elements. Select (single-click) a modeled roof assembly...

The diagram illustrates the workflow for identifying roof assemblies. It shows a grid of assembly options. A specific assembly, 'Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck' (LWC-37 -60 MDP), is highlighted. Arrows point from this assembly to its description, its 3D modeled representation, its engineer evaluation designation, and its rendered image.

Notes About Roof Type Properties:

Upon opening the **Type Properties** of the selected roof assembly, several Identity Data Parameters are available. The assemblies provided vary to provide a wealth of options in terms of design pressures/wind-uplift rating, membrane types, adhesives, coverboards, roof deck types, etc, but **are not exhaustive**. For additional compliant assembly options, please refer to the linked documentation, which can be found in the **Type Properties** of every roof assembly, as shown in the diagram below:

The screenshot shows the 'Identity Data' section of the Type Properties dialog. Key fields include:

- CS 3-Part Specification URL: <https://www.versico.com/Document-Viewer/versiflex-fully-adhered-give-specification-En/14111>
- Wind Pressure Uplift Rating: -90
- HVHZ Compliance Designation: HVHZ
- NEMO Evaluation System No.: LWC-57
- NEMO Evaluation URL: <https://www.versico.com/Document-Viewer/14111>

All Assemblies included within these files have been evaluated by a licensed engineer for compliance to High Velocity Hurricane Zone and Non-High Velocity Hurricane Zone requirements of the Florida Building Code. Despite these evaluations, the Authority Having Jurisdiction will have the final determination regarding the acceptance for permit issuance.

Notes Regarding Assembly Material Editing:

Each roof assembly will contain multiples materials for a particular function of the roof assembly. Where this occurs, prompts, listed as materials above a grouping of multiple materials, are included within the assembly as can be seen in the sample illustration below. Delete extraneous material layers not desired within the assembly.

The screenshot shows the 'Material Layers' dialog for a roof assembly. It lists various materials and their functions, such as 'VersiFlex™ PVC (0.0 ML) (White)', 'VersiFlex™ PVC (0.0 ML) (Light Gray)', and 'VersiFlex™ PVC (0.0 ML) (Slate Gray)'. Arrows indicate that some materials are selected for editing or deletion.

Once all the desired materials have been finalized, prompt materials shall be deleted from the assembly(ies), to avoid conflicts with other functions of Revit, i.e.: schedules that contain roof assembly material takeoff values.

