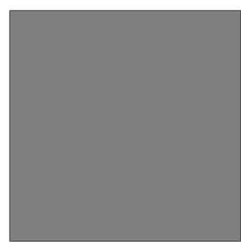
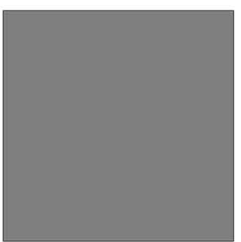
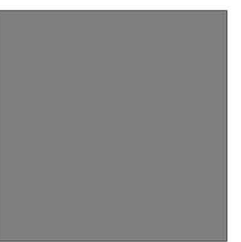
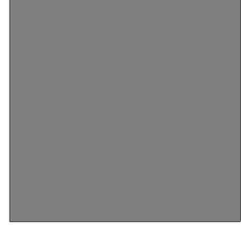
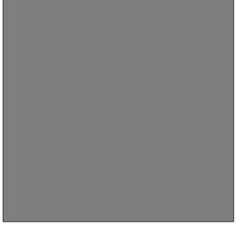
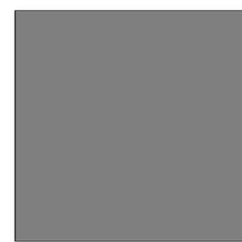
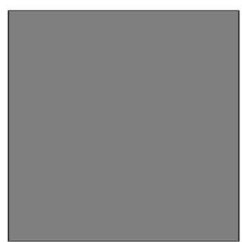
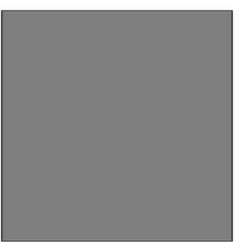
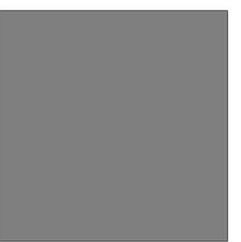
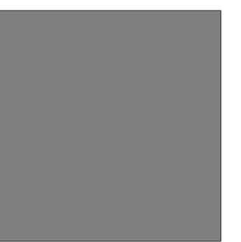
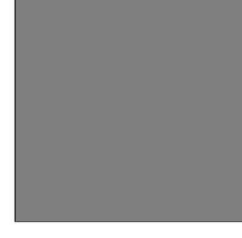
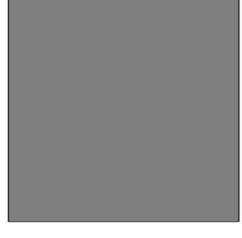
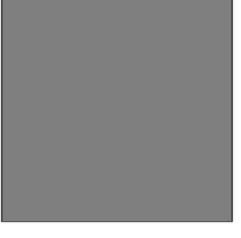


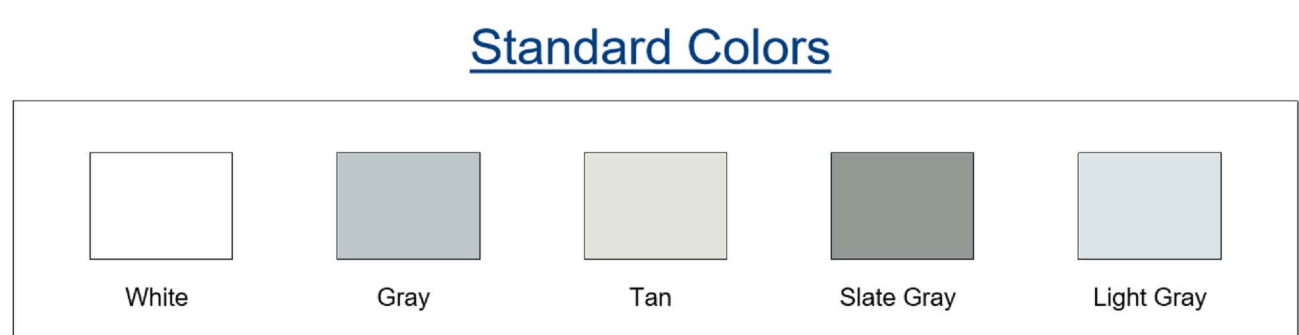
Florida NON-HVHZ Light-Weight Insulating Concrete Sure-Flex™ & FleeceBACK® PVC Roof Families

Sure-Flex™ PVC	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck		
	 LWC-38 -60 MDP	 LWC-39 -67.5 MDP	 LWC-40 -82.5 MDP	 LWC-41 -90 MDP	 LWC-59 -90 MDP		
FleeceBACK® PVC	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Concrecel Cellular Concrete, Bonding Agent, & Curing Compound Insulfoam HB on Metal Deck	Fully Adhered With Concrecel Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck
	 LWC-49 -67.5 MDP	 LWC-51 -120 MDP	 LWC-52 -97.5 MDP	 LWC-54 -135 MDP	 LWC-56 -82.5 MDP	 LWC-57 -97.5 MDP	 LWC-58 -112.5 MDP

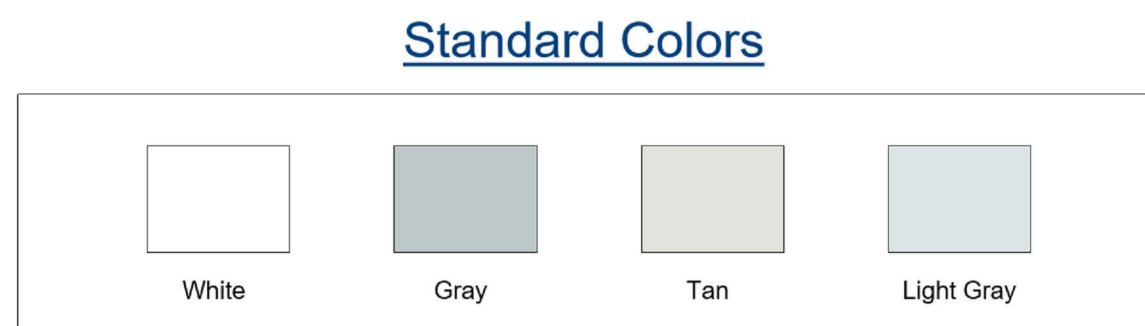
Florida NON-HVHZ Light-Weight Insulating Concrete Sure-Flex™ & FleeceBACK® KEE HP Roof Families

Sure-Flex™ KEE HP	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Concrecel Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Concrecel Cellular Concrete & Insulfoam HB on Metal Deck		
	 LWC-42 -82.5 MDP	 LWC-43 -82.5 MDP	 LWC-44 -97.5 MDP	 LWC-45 -112.5 MDP	 LWC-60 -330 MDP		
FleeceBACK® KEE HP	Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Concrecel Cellular Concrete, Bonding Agent, & Curing Compound Insulfoam HB on Metal Deck	Fully Adhered With Concrecel Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck	Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck
	 LWC-49 -67.5 MDP	 LWC-51 -120 MDP	 LWC-52 -97.5 MDP	 LWC-54 -135 MDP	 LWC-56 -82.5 MDP	 LWC-57 -97.5 MDP	 LWC-58 -112.5 MDP

Non-HVHZ PVC LightWeight Insulating Concrete Roof Type Schedule						
Type	HVHZ Compliance Designation	NEMO Evaluation System No.	Wind Pressure Uplift Rating	Type Comments	Manufacturer	
Sure-Flex™ PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-38	Non-HVHZ	LWC-38	-60	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Min. 1" Holey Board optional.	Carlisle SynTec Systems	
Sure-Flex™ PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-39	Non-HVHZ	LWC-39	-67.5	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Mechanical Fastening rates & Casting Density. Use of Min. 1" Holey Board optional.	Carlisle SynTec Systems	
Sure-Flex™ PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-40	Non-HVHZ	LWC-40	-82.5	See NEMO Documentation for Minimum Structural Deck & deck preparation Requirements, LWC Structural Properties, & admixture requirements.	Carlisle SynTec Systems	
Sure-Flex™ PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-41	Non-HVHZ	LWC-41	-90	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Min. 1" Holey Board optional.	Carlisle SynTec Systems	
FleeceBACK® PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-49	Non-HVHZ	LWC-49	-67.5	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Mechanical Fastening rates & Casting Density. Use of Min. 1" Holey Board optional.	Carlisle SynTec Systems	
FleeceBACK® PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-51	Non-HVHZ	LWC-51	-120	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Mechanical Fastening rates & Casting Density. Use of Min. 1" Holey Board optional.	Carlisle SynTec Systems	
FleeceBACK® PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-52	Non-HVHZ	LWC-52	-97.5	See NEMO Documentation for Minimum Structural Deck & deck preparation Requirements, LWC Structural Properties, & admixture requirements. Use of Min. 1" Thick Holey Board Required. Curing Compound Optional.	Carlisle SynTec Systems	
FleeceBACK® PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-54	Non-HVHZ	LWC-54	-135	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 2" Holey Board required.	Carlisle SynTec Systems	
FleeceBACK® PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-56	Non-HVHZ	LWC-56	-82.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 2" Holey Board required.	Carlisle SynTec Systems	
FleeceBACK® PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-57	Non-HVHZ	LWC-57	-97.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 1" Holey Board required.	Carlisle SynTec Systems	
FleeceBACK® PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-58	Non-HVHZ	LWC-58	-112.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 2" Holey Board required.	Carlisle SynTec Systems	
Sure-Flex™ PVC On LightWeight Insulated Concrete - Non-HVHZ LWC-59	Non-HVHZ	LWC-59	-90	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. Use of Min. 1" Holey Board optional.	Carlisle SynTec Systems	

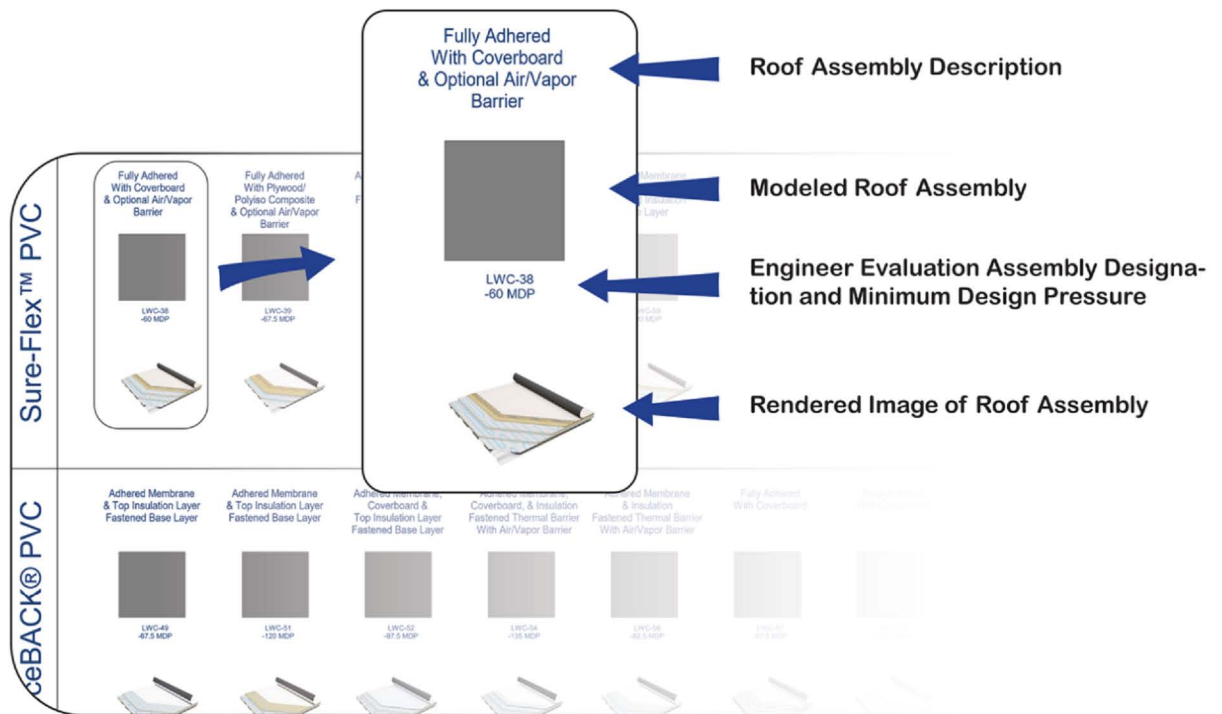


Non-HVHZ KEE HP LightWeight Insulating Concrete Roof Type Schedule						
Type	HVHZ Compliance Designation	NEMO Evaluation System No.	Wind Pressure Uplift Rating	Type Comments	Manufacturer	
Sure-Flex™ KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-42	Non-HVHZ	LWC-42	-82.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Holey Board optional.	Carlisle SynTec Systems	
Sure-Flex™ KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-43	Non-HVHZ	LWC-43	-82.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 2" Thick Holey Board Required.	Carlisle SynTec Systems	
Sure-Flex™ KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-44	Non-HVHZ	LWC-44	-97.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 1" Thick Holey Board Required.	Carlisle SynTec Systems	
Sure-Flex™ KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-45	Non-HVHZ	LWC-45	-112.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 2" Thick Holey Board Required.	Carlisle SynTec Systems	
FleeceBACK® KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-49	Non-HVHZ	LWC-49	-67.5	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Mechanical Fastening rates & Casting Density. Use of Min. 1" Holey Board optional.	Carlisle SynTec Systems	
FleeceBACK® KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-51	Non-HVHZ	LWC-51	-120	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, Mechanical Fastening rates & Casting Density. Use of Min. 1" Holey Board optional.	Carlisle SynTec Systems	
FleeceBACK® KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-52	Non-HVHZ	LWC-52	-97.5	See NEMO Documentation for Minimum Structural Deck & deck preparation Requirements, LWC Structural Properties, & admixture requirements. Use of Min. 1" Thick Holey Board Required. Curing Compound Optional.	Carlisle SynTec Systems	
FleeceBACK® KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-54	Non-HVHZ	LWC-54	-135	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 2" Holey Board required.	Carlisle SynTec Systems	
FleeceBACK® KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-56	Non-HVHZ	LWC-56	-82.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 2" Holey Board required.	Carlisle SynTec Systems	
FleeceBACK® KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-57	Non-HVHZ	LWC-57	-97.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 1" Holey Board required.	Carlisle SynTec Systems	
FleeceBACK® KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-58	Non-HVHZ	LWC-58	-112.5	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Min. 2" Holey Board required.	Carlisle SynTec Systems	
Sure-Flex™ KEE HP On LightWeight Insulated Concrete - Non-HVHZ LWC-60	Non-HVHZ	LWC-60	-330	See NEMO Documentation for Minimum Structural Deck Requirements & LWC Structural Properties. Use of Holey Board optional.	Carlisle SynTec Systems	



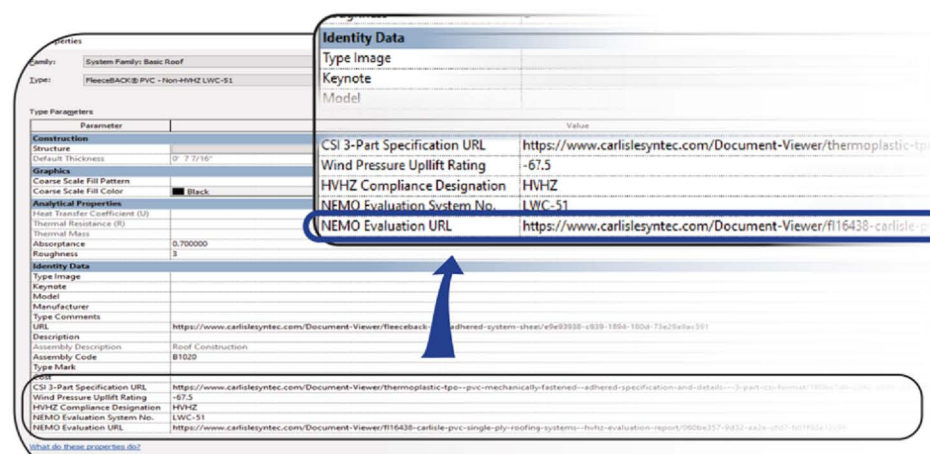
How to Use LightWeight Insulating Concrete Florida Building Code-Based Roof Assemblies:

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



Notes About Roof Type Properties:

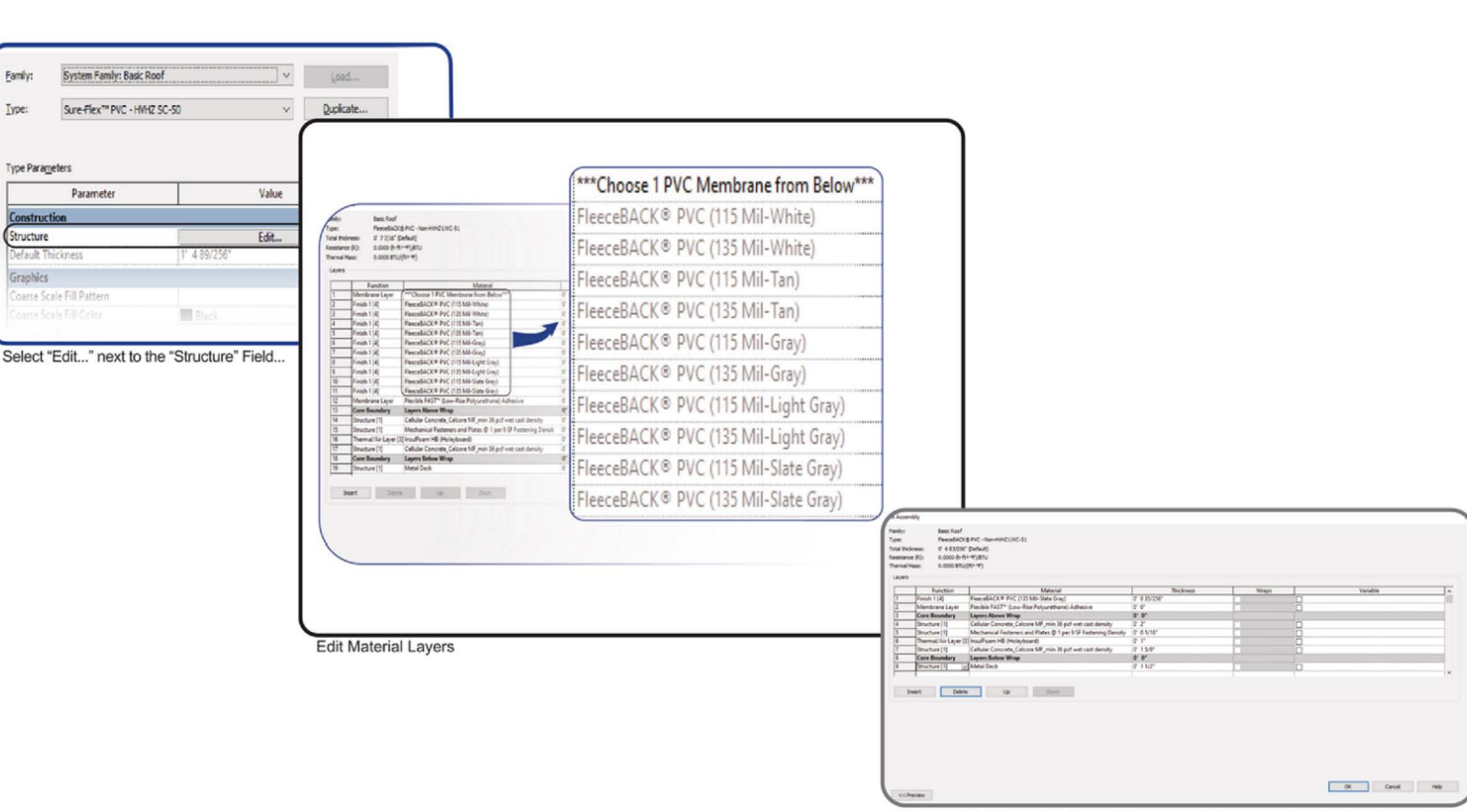
Upon opening the **Type Properties** of the selected roof assembly, several Identity Data Parameters are available. The assemblies provided vary to provide a wealth of options in terms of design pressure/wind uplift rating, membrane types, adhesives, coverboards, roof deck types, etc. but **are not exhaustive**. 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:



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 should make 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 they are seen in the sample illustration below. Delete extraneous material layers not desired within the assembly **One-at-a-time** materials, so Flexible Fast, Mechanical Fasteners, and InsulFoam HB, are required materials for this particular roof assembly example. Do not delete them. In addition with LightWeight Insulating Concrete roof assemblies, the cellular concrete materials are repeated above and below the insulation layer.



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.

InsulFoam EPS Insulation Roof Family Material Selection Notes:

- InsulFoam EPS is not compatible with certain mineral adhesives. If mineral based adhesives are to be used, a mineral free adhesive must be used.
- InsulFoam EPS is not compatible with certain mineral adhesives. If mineral based adhesives are to be used, a mineral free adhesive must be used.
- InsulFoam EPS is not compatible with certain mineral adhesives. If mineral based adhesives are to be used, a mineral free adhesive must be used.

