

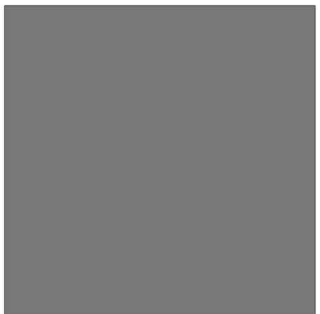

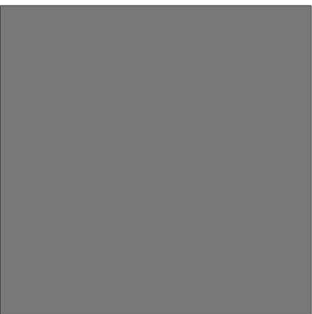















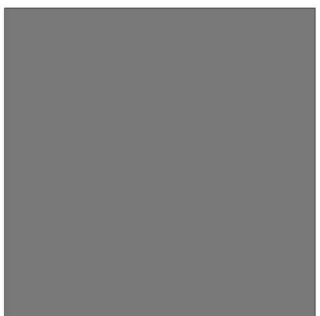



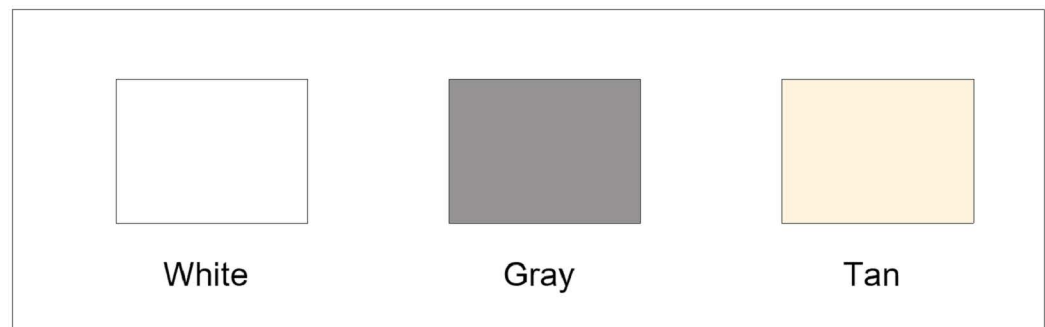


Florida HVHZ Light-Weight Insulating Concrete Sure-Weld® & FleeceBACK® TPO Roof Families

Sure-Weld®	<div>Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-18 -60 MDP</div> <div></div>									<div>Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-21 -82.5 MDP</div> <div></div>									<div>Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-22 -120 MDP</div> <div></div>									<div>Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-26 -52.5 MDP</div> <div></div>									<div>Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-27 -82.5 MDP</div> <div></div>									<div>Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-28 -97.5 MDP</div> <div></div>									<div>Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-29 -112.5 MDP</div> <div></div>									<div>Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-42 -217.5 MDP</div> <div></div>									<div>Fully Adhered With Concrecel Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-44 -452.5 MDP</div> <div></div>																																																									
	FleeceBACK® TPO	<div>Fully Adhered With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-32 -67.5 MDP</div> <div></div>									<div>Fully Adhered & Mechanically Fastened With Celcore MF Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-34 -120 MDP</div> <div></div>									<div>Fully Adhered With Elastizell Range II Cellular Concrete & Insulfoam HB on Metal Deck</div> <div></div> <div>LWC-39 -112.5 MDP</div> <div></div>									<table><tr><th colspan="6">HVHZ LightWeight Insulating Concrete Roof Type Schedule</th></tr><tr><th>Type</th><th>HVHZ Compliance Designation</th><th>NEMO Evaluation System No.</th><th>Wind Pressure Uplift Rating</th><th>Type Comments</th><th>Manufacturer</th></tr><tr><td>Sure-Weld® TPO On LightWeight Insulated Concrete - HVHZ LWC-18</td><td>HVHZ</td><td>LWC-18</td><td>-60</td><td>See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties & Casting Density. 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Carlisle SynTec	FleeceBACK® TPO On LightWeight Insulated Concrete - HVHZ LWC-32	HVHZ	LWC-32	-67.5	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties, Casting Density, & Surface treatments. Use of Min. 1" Holey Board required.	Carlisle SynTec	FleeceBACK® TPO On LightWeight Insulated Concrete - HVHZ LWC-34	HVHZ	LWC-34	-120	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties, Casting Density, & Surface treatments. Use of Min. 1" Holey Board optional.	Carlisle SynTec	FleeceBACK® TPO On LightWeight Insulated Concrete - HVHZ LWC-39	HVHZ	LWC-39	-112.5	See NEMO Documentation for Minimum Structural Deck Requirements and LWC Structural Properties. Use of Min. 2" Holey Board Required.	Carlisle SynTec	Sure-Weld® TPO On LightWeight Insulated Concrete - HVHZ LWC-42	HVHZ	LWC-42	-217.5	See NEMO Documentation for Minimum Structural Deck Requirements, LWC Structural Properties, & Casting Density. 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Standard Colors

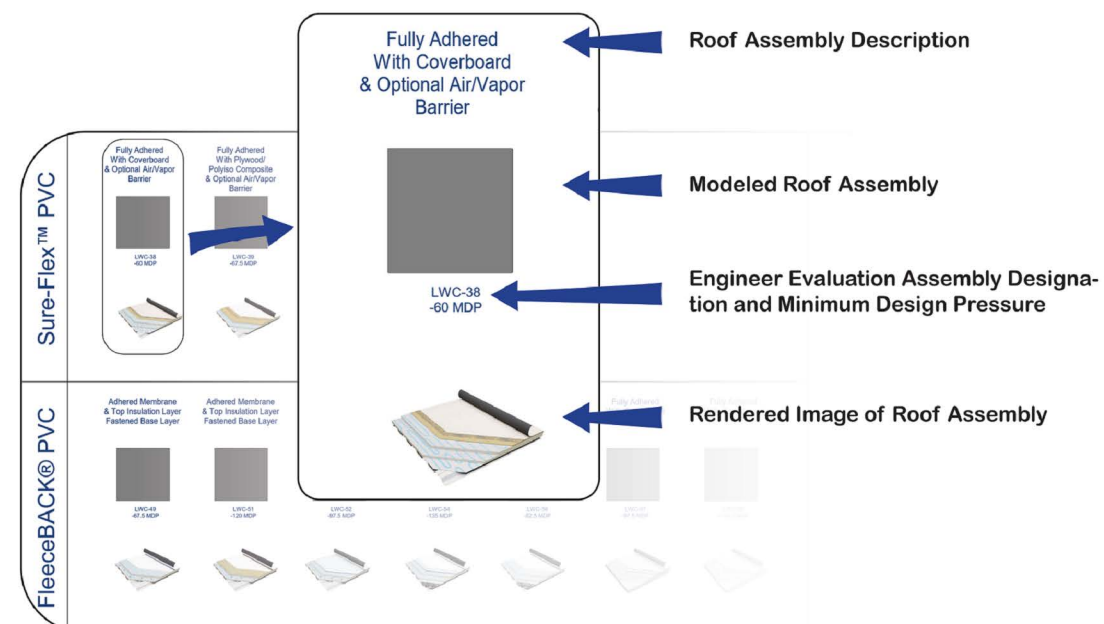


Special Colors



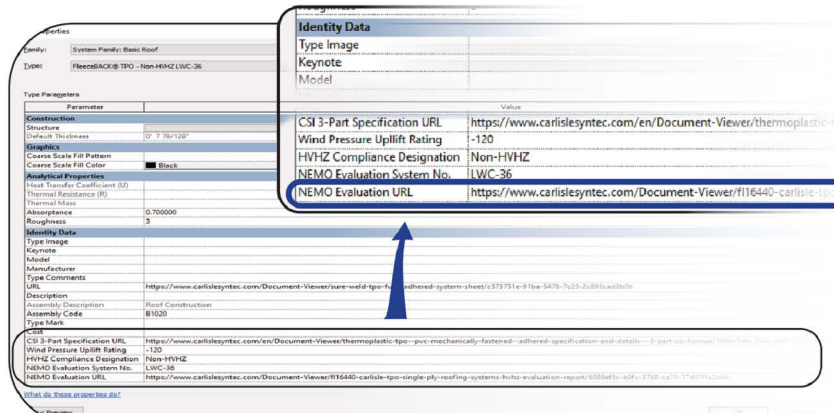
How to Use Light Weight Insulating Concrete Florida Building Code-Based Roof Assemblies:

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



Notes About Roof Type Properties:

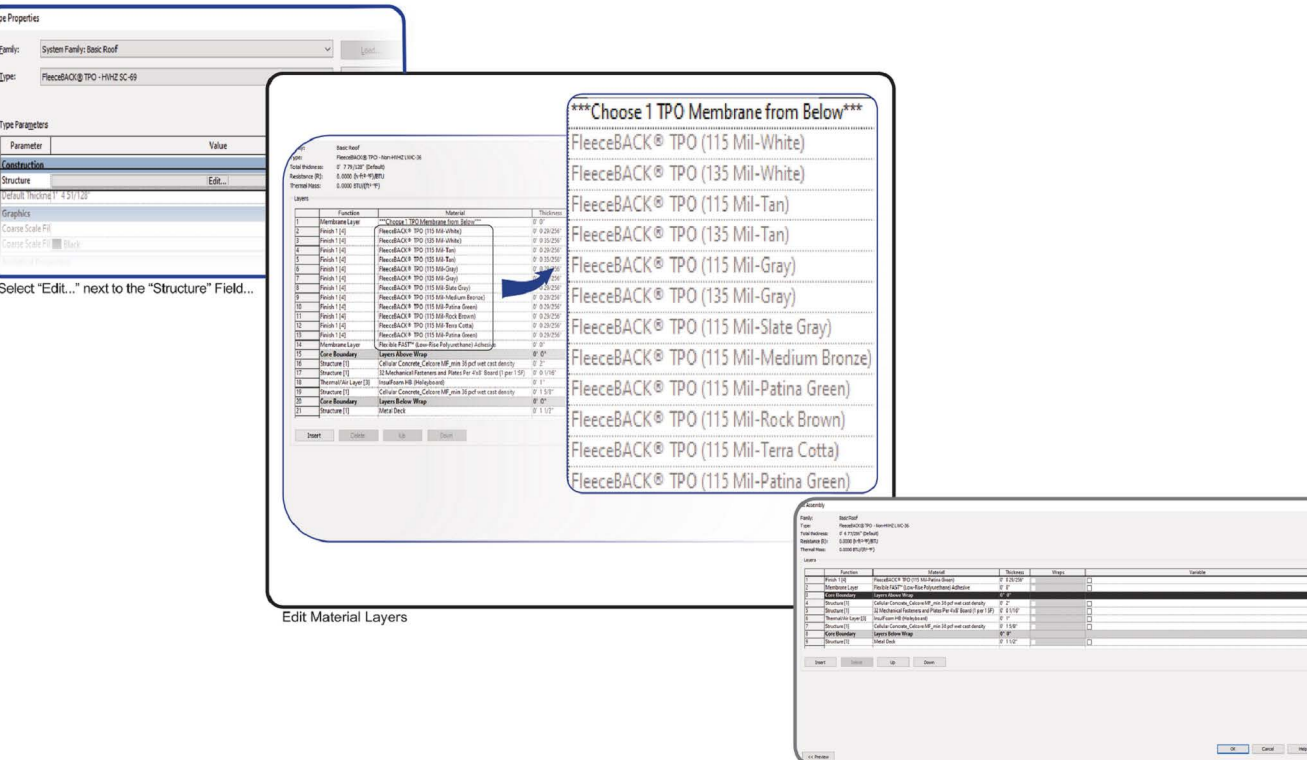
Upon opening the **Type Properties** of the selected roof assembly, several Identity Data Parameters are available. The assemblies provided vary to provide a wealth of options in terms of design pressures/wind-uplift rating, membrane types, adhesives, coverboards, roof deck types, etc, but **are not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



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 may contain multiple 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. One-click-and-drag materials, i.e. FleeceBACK, Mechanical Fasteners, and Insulfoam HB, are required materials for this particular roof assembly example. Do not delete them. In addition with Light-Weight 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.

