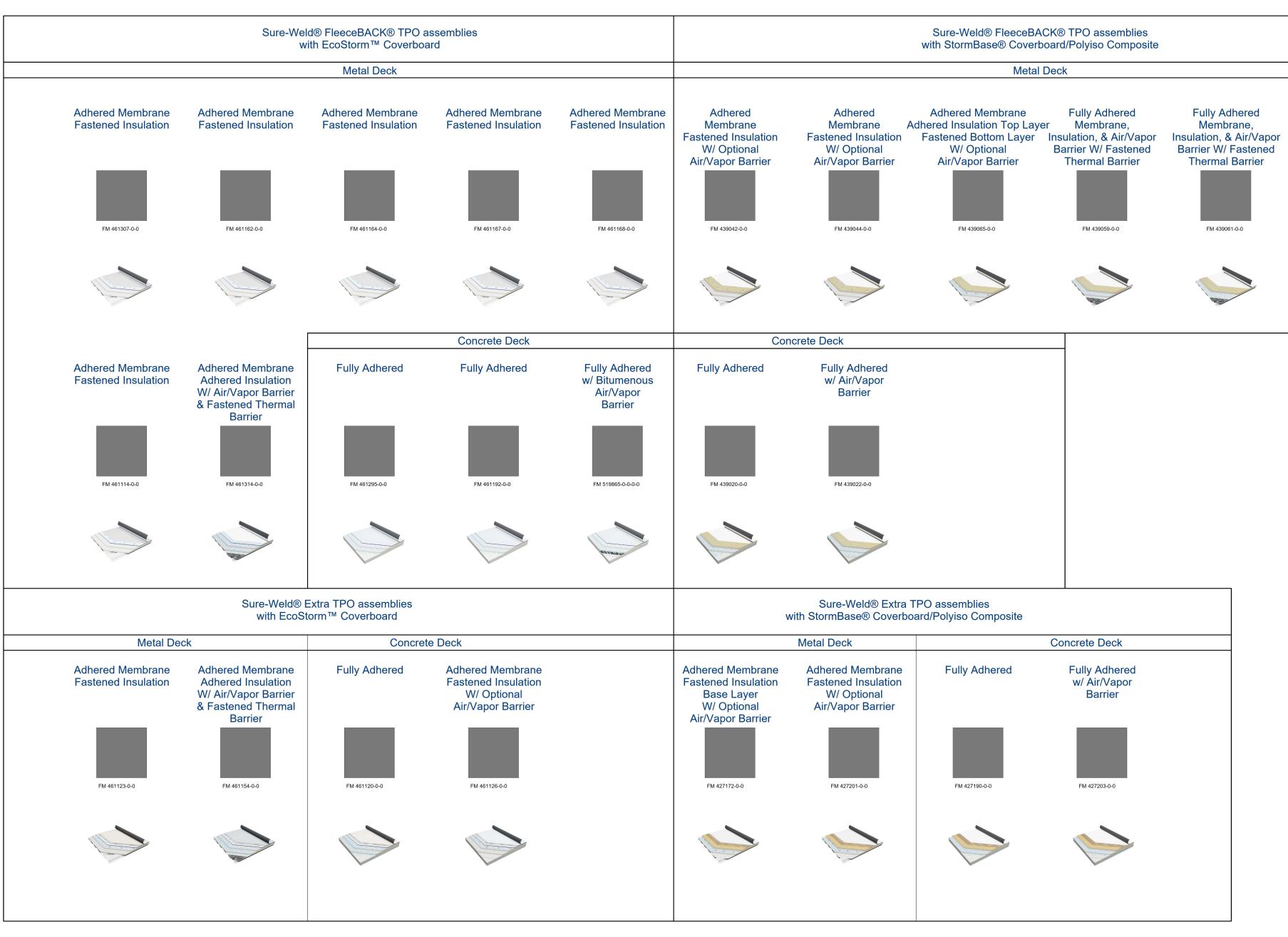
## VSH Rated FleeceBACK® & Sure-Weld® Extra (80-MIL) TPO Roof Families





**Standard Colors** 

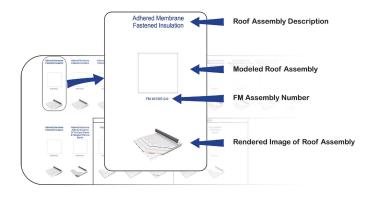
	1	PO VSF	Rated Roof Type Schedule	
Туре	FM Global Rating Number	Wind Pressure Uplift Rating	Type Comments	Manufacturer
TPO Extra - FM 461126-0-0	461126-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates and minimum insulation thicknesses	Carlisle SynTec System
FleeceBACK TPO - FM 439042-0-0	439042-0-0	-150	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min. insulation thicknesses	Carlisle SynTec System
FleeceBACK TPO - FM 461168-0-0	461168-0-0	-225	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min. coverboard thickness.	Carlisle SynTec System
FleeceBACK TPO - FM 461167-0-0	461167-0-0	-165	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min. coverboard thickness.	Carlisle SynTec System
FleeceBACK TPO - FM 461164-0-0	461164-0-0	-120	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min. coverboard thickness.	Carlisle SynTec System
FleeceBACK TPO - FM 461162-0-0	461162-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min. coverboard thickness.	Carlisle SynTec System
FleeceBACK TPO - FM 461307-0-0	461307-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min. coverboard thickness.	Carlisle SynTec System
FleeceBACK TPO - FM 519865-0-0	519865-0-0	-285	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates and minimum insulation thicknesses	Carlisle SynTec System
FleeceBACK TPO - FM 461192-0-0	461192-0-0	-705	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec Systen
FleeceBACK TPO - FM 461295-0-0	461295-0-0	-315 See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses		Carlisle SynTec System
FleeceBACK TPO - FM 461314-0-0	461314-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard/thermal barrier thicknesses, and minimum insulation thicknesses	Carlisle SynTec System
FleeceBACK TPO - FM 461114-0-0	461114-0-0	-270	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min. coverboard thickness.	Carlisle SynTec System
TPO Extra - FM 461120-0-0	461120-0-0	-225	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec Systen

TPO VSH Rated Roof Type Schedule						
Туре	FM Global Rating Number	Wind Pressure Uplift Rating	Type Comments	Manufacture		
TPO Extra - FM 461154-0-0	461154-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard/thermal barrier thicknesses, and minimum insulation thicknesses	Carlisle SynTec System		
TPO Extra - FM 461123-0-0	461123-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec Syster		
FleeceBACK TPO - FM 439044-0-0	439044-0-0	-270	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min. insulation and coverboard thicknesses	Carlisle SynTec Syster		
FleeceBACK TPO - FM 439065-0-0	439065-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec Syster		
FleeceBACK TPO - FM 439059-0-0	439059-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard/thermal barrier thicknesses, and minimum insulation thicknesses	Carlisle SynTec System		
FleeceBACK TPO - FM 439061-0-0	439061-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard/thermal barrier thicknesses, and minimum insulation thicknesses	Carlisle SynTec System		
FleeceBACK TPO - FM 439020-0-0	439020-0-0	-270	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec System		
FleeceBACK TPO - FM 439022-0-0	439022-0-0	-255	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec Syster		
TPO Extra - FM 427172-0-0	427172-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec Syster		
TPO Extra - FM 427201-0-0	427201-0-0	-90	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec Syster		
Sure Weld Extra - FM 427190-0-0	427190-0-0	-315	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec System		
Sure Weld Extra - FM 427203-0-0	427203-0-0	-255	See Carlisle VSH Compliant Roofing Systems Code Approval Guide for min./max. adhesive application rates, min. coverboard thicknesses, and minimum insulation thicknesses	Carlisle SynTec System		

## CARLISLE, SYNTEG SYSTEMS

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

 $\underline{\text{How to Use $\textbf{V}$ery $\textbf{S}$evere $\textbf{H}$ail (VSH) Rated FM-Based Roof Assemblies:}}$ 



Notes Ab	out I	Roof	Туре	Proper	ties:

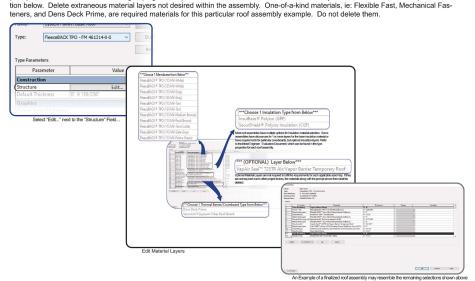
Upon opening the **Type Properties** of the selected roof assembly, several Identity Data Parameters are available. The assemblies provided vary to provide a options in terms of design pressures/wind-uplift rating, membrane types, adhesives, coverboards, roof deck types, etc, but are not exhaustive.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

		dentity Data					
		Type Image					
Aperies		Keynote					
A. 100.00		Model					
Pamily: System Family: Basic Roof  Type: FleeceBACKTPO - PM 461314-0-0		Manufacturer					
		Type Comments					
		URL	https://www.carlislesyntec.com/Document-Viewer/				
Type Parameters		Description	maps, minestal and a second and				
Parameter	1	CSI 3-Part Specification URL					
Roughness 3			https://www.carlislesyntec.com/en/Document-Viewer/thermoplastic-				
dentity Data	A Proposition of the Contract	FM Global Rating Number					
ype Image		Wind Pressure Upllift Rating					
eynete		Maximum Slope					
fedel							
Manufacturer		VSH FM Guide Documentation https://www.carlislesyntec.com/Document-Viewer/carlisle-vsh-code					
ype Comments	Amount of the state of the stat						
escription							
asembly Description							
ssembly Code	81020						
vpe Mark							
ost							
SI 3-Part Specification UFL		om/en/Document-Viewer/thermoplastic-tpopvc-m	sechanically-fastenedadhered-specification-and-details3-part-cal-fermat/1806c1db-034c-allis				
M Global Rating Number	461114-0-0						
Vind Pressure Upllift Rating	90						
faximum Slope	1.5	com/Document-Viewer/carlide-vsh-code-quide/e305					
SH FM Guide Documentatio	n https://www.caristesyntec.c	controcument-newer/catione-von-code-guide/euro	IBM-1ecc-acco-acas-sconc-acas-sconc-				
net do these properties do?							
ng < Preview							

All Assemblies included within these files have been tested according to FM 4470 for compliance to VSH requirements.

## Notes Regarding Assembly Material Editing:

In many cases, 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. One-of-a-kind materials, ie: Flexible Fast, Mechanical Fasteners, and Dens Deck Prime, are required materials for this particular roof assembly example. Do not delete them.



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

