

April 2024 BIM Release
May 28, 2024

To: Carlisle SynTec Systems' Manufacturer's Representatives, Distributors, and Authorized Applicators

Carlisle SynTec Systems is pleased to announce the first of two BIM model releases focusing on code- and FM-related roof assemblies. This release contains two files (EPDM and TPO) covering FM Global Rated Very Severe Hail (VSH) assemblies with various adhesives, uplift ratings, and attachment methods.

Additionally, ten files (EPDM, TPO, PVC, KEE HP) cover engineer-evaluated roof systems complying with Florida Building Code's High Velocity Hurricane Zone (HVHZ) and non-HVHZ requirements. Florida Building Code roof assemblies include single-ply roofing systems on metal decks, structural concrete decks, and lightweight insulating concrete decks covering various uplift pressures, adhesives, assemblies with and without thermal barriers, assemblies with and without vapor barriers, and various attachment methods.

Each file contains links to supplemental documentation such as specifications, guide specs, system sell sheets; and related code, FM, or engineer evaluation documentation as applicable and are referenced to each application document.

Below is a summary of included BIM family content:

| Florida Building Code High Velocity Hurricane Zone (HVHZ) Assemblies for Concrete & Metal Decks | | | |
|---|--|---|---|
| EPDM | TPO | PVC | PVC KEE HP |
| Sure-Seal® (Non-Reinforced) EPDM | Sure-Weld® TPO | Sure-Flex™ PVC | Sure-Flex KEE HP |
| Sure-White® (Non-Reinforced) EPDM | FleeceBACK TPO | FleeceBACK PVC | FleeceBACK KEE HP |
| Sure-Tough™ (Reinforced) EPDM | FleeceBACK RL™ TPO | FleeceBACK RL PVC | |
| FleeceBACK® EPDM & White FleeceBACK® EPDM | Sure-Weld TPO with RhinoBond® or isoweld® Induction Welded Systems | Sure-Flex™ PVC with RhinoBond or isoweld Induction Welded Systems | Sure-Flex KEE HP with RhinoBond or isoweld Induction Welded Systems |

| Florida Building Code High Velocity Hurricane Zone (Non- HVHZ) Assemblies for Concrete & Metal Decks | | | |
|--|--|--|-------------------|
| EPDM | TPO | PVC | PVC KEE HP |
| Sure-Seal (Non-Reinforced) EPDM | Sure-Weld TPO | Sure-Flex PVC | Sure-Flex KEE HP |
| Sure-White (Non-Reinforced) EPDM | FleeceBACK TPO | FleeceBACK PVC | FleeceBACK KEE HP |
| Sure-Tough (Reinforced) EPDM | FleeceBACK RL TPO | FleeceBACK RL PVC | |
| FleeceBACK EPDM & White FleeceBACK EPDM | Sure-Weld TPO with RhinoBond or isoweld Induction Welded Systems | Sure-Flex PVC with RhinoBond or isoweld Induction Welded Systems | |

| Florida Building Code HVHZ and Non-HVHZ Light Weight Insulating Concrete (LWIC) Roof Assemblies for Concrete & Metal Decks | | | | | |
|--|----------------|---------------|----------------|------------------|-------------------|
| TPO | | PVC | | PVC KEE HP | |
| Sure-Weld TPO | FleeceBACK TPO | Sure-Flex PVC | FleeceBACK PVC | Sure-Flex KEE HP | FleeceBACK KEE HP |

| VSH FM Rated Roof Systems for Concrete & Metal Decks | |
|---|-----------------|
| Single-Ply Membrane Product Lines with EcoStorm® Cover Boards and StormBase® Polyiso Insulation Composite | |
| EPDM | TPO |
| FleeceBACK EPDM | Sure-Weld Extra |
| White FleeceBACK EPDM | FleeceBACK TPO |

Specification Supplements regarding Flexible FAST™ Adhesive equipment setup, Flexible FAST insulation attachment and coverage rates, and adhered applications over lightweight insulating concrete can be found on the Carlisle SynTec Website [Spec Supplement](#).

These BIM families are now hosted on the Carlisle SynTec Systems website. Please direct questions to Design Services and stay tuned for additional releases.

Sincerely,



Brian J. Rivera, CDT
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