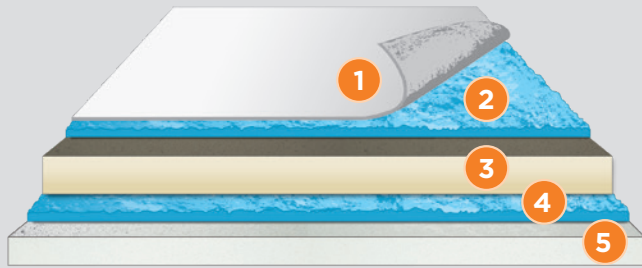
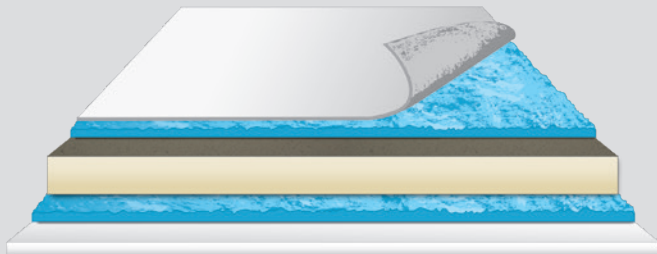


WeatherBond Fleece

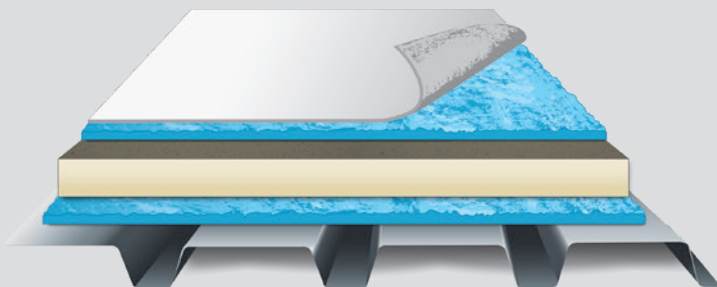
Adhered System - Structural Deck



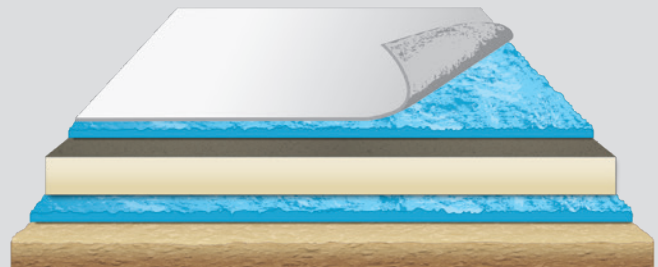
Structural Concrete Deck



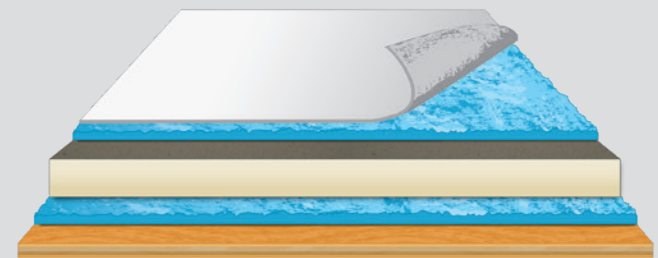
Gypsum Deck



Steel Deck



Tectum Deck



Wood Deck

Typical Application

- 1 Fleece TPO, PVC, or KEE HP Membrane
- 2 Flexible DASH Adhesive
- 3 Acceptable Insulation
- 4 Flexible DASH Adhesive
- 5 Approved Roof Deck

Description

WeatherBond's Fleece systems provide a totally non-penetrating, tough, durable roof that meets the demands of design professionals and building owners alike. With the popularity of exposed ceiling construction, there is a real desire to avoid the use of mechanical fasteners. Additionally, building occupants are exposed to the noises and disruptions associated with standard

fastening methods. Installing a Fleece membrane using Flexible DASH Adhesive provides a quiet installation with virtually no odors or VOCs, while outperforming the holding strength of standard fasteners.

This roofing option incorporates a WeatherBond Fleece TPO, PVC, or KEE HP membrane that is adhered to an acceptable insulation. The insulation is adhered to the structural decking, which includes concrete, gypsum, tectum, steel, and wood. Using Flexible DASH adhesive for each layer can improve the energy efficiency performance of roof systems by eliminating thermal bridges created by alternative installation methods. Adjoining sheets of Fleece TPO, PVC, or KEE HP membrane are joined together with a minimum 1 1/2"-wide hot air weld.



WEATHERBOND
ROOFING SYSTEMS

Single-Ply Simplified

System Features & Benefits

- Non-penetrating, low noise, low odor
 - Solution for occupied buildings
- Flexible DASH Adhesive is VOC-free
- Energy efficient and environmentally sound
 - Flexible DASH Adhesive provides an additional R-value of 0.2 to 0.5 per layer installed when used in full coverage application
 - Eco-friendly Flexible DASH Adhesive qualifies as having low GWP and ODP
 - Minimizes disposal and landfill costs
- Added puncture/tear resistance
 - 33-50% greater puncture resistance compared to standard systems
 - 33-66% increased hail protection when compared to standard systems (protects up to 4" hail)
 - Passes FM's severe hail test
 - Results in fewer leaks than traditional systems
- Flexible DASH elongation properties of 150%
 - Flexible DASH Adhesive expands and bonds to porous decks, adding structural integrity to the system
 - Consistent elongation of 150% allows the adhesive to expand and contract with the building
- Superior wind uplift performance
 - Uplift pressures ranging from 90–990 psf depending on the substrate
- Expedient installation without interruptions
 - Labor-saving 10'- and 12'-wide sheets result in 67-72% fewer seams than a modified bitumen system of comparable size
 - Increases productivity on the roof, which lowers the cost of labor

Existing or New Deck Type	New Construction						Re-roofing		
	Steel	Plywood	Lt. Wt. Concrete	Structural Concrete	Wood Planks	Gypsum & Fibrous Cement	Smooth-Surfaced BUR	Gravel-Surfaced BUR	Existing Single-Ply
Insulation Required	Yes	No	No	No	No	No	No	Yes	No
Recommended Insulations	WeatherBond Polyiso, XFP HD, DensDeck® or SECUROCK® over acceptable insulation								
Insulation Attached By	Flexible DASH Adhesive or WeatherBond Fasteners								
Membrane Attached By	Flexible DASH Adhesive								

FOR TEAR-OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE.



WEATHERBOND
ROOFING SYSTEMS

Single-Ply Simplified

P.O. Box 251 | Plainfield, PA 17081 | 866.471.5125 | FAX: 717.960.4034 | www.weatherbondroofing.com

© 2021 WeatherBond. 02.01.21 WB-13551 - "WeatherBond Fleece Adhered System - Structural Deck System Sheet"
WeatherBond is a trademark of WeatherBond. DensDeck is a registered trademark of Georgia-Pacific Gypsum LLC.
SECUROCK is a trademark of USG Corporation or its subsidiaries or affiliates.