

VF Series

VF & VF-DS (Double-Sided)

TECHNICAL DATA:

Durometer Hardness

- ASTM C661, Shore A1, Silicone coating - not to exceed 25pts (± 5)

Weatherometer

- ASTM C510, ASTM G26-77, Xenon Arc Weatherometer 2000 hrs – no Visible deterioration

Primary Surface Weathering

- ASTM G26-77, Atlas Weatherometer 6000 hrs - minimal hardness change

Temperature Range

- Low Permanent $-40^{\circ}\text{F}(-40^{\circ}\text{C})$ to High Permanent $185^{\circ}\text{F}(85^{\circ}\text{C})$
- Temperature Stability, Bleeding, Staining and Recovery Under Field Conditions – Material will not bleed or stain after withstanding $150^{\circ}\text{F}(65^{\circ}\text{C})$ for 3 hours while compressed down to the minimum of movement capability (-50% of nominal material size). After cooling to room temperature, $60^{\circ}\text{F}(20^{\circ}\text{C})$, the material will self-expand to the maximum of movement capability ($+50\%$ of nominal material size) within 24 hours.

Wind Loading

- ASTM E330, Hurricane Std. Miami-Dade County, FL=150 mph -0.1mm Net Deflection of Span @ $+2730 \Delta\text{P}(\text{Pa})$, 150 mph equivalent, $+0.1\text{mm}$ Net Deflection of Span @ $-2730 \Delta\text{P}(\text{Pa})$, 150 mph equivalent, -0.6mm Net Deflection of Span @ $+4854 \Delta\text{P}(\text{Pa})$, 200 mph equivalent -0.5mm Net Deflection of Span @ $-4854 \Delta\text{P}(\text{Pa})$, 200 mph equivalent

R-Value

- ASTM C518-04, 2.15 per 1-inch (25mm) depth at as-installed nominal joint size compression

Water Penetration

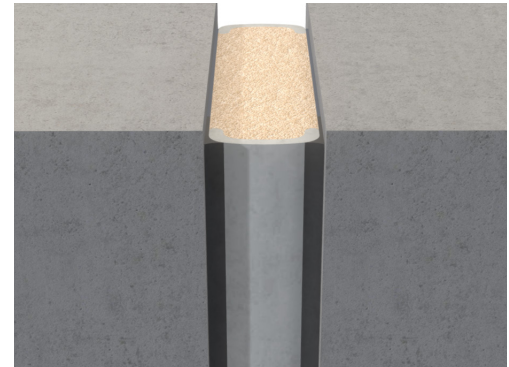
- ASTM E331-00, No water penetration after consecutive 15 minute soak durations under pressures of: $500 \Delta\text{P}(\text{Pa})$, 65 mph equivalent wind driven rain; $1000 \Delta\text{P}(\text{Pa})$, 92 mph equivalent wind driven rain; $5000 \Delta\text{P}(\text{Pa})$, 205 mph equivalent wind driven rain.

STC Rating (Sound Transmission Class)

- ASTM E90-09, STC 52 (in a STC 56 wall)

OITC Rating (Outdoor Indoor Transmission Class)

- ASTM E90-09, OITC 38 (in a OITC 38 wall)
- Air Permeability (ABAA air leakage limit for materials – not to exceed $.02 \text{ L}/(\text{s}\cdot\text{m}^2)$ @ $75 \text{ DP}(\text{Pa})$)
- ASTM E283-04, ABAA Compliant $0.0078 \text{ L}/(\text{s}\cdot\text{m}^2)$ @ $75 \text{ DP}(\text{Pa})$, $0.0118 \text{ L}/(\text{s}\cdot\text{m}^2)$ @ $250 \text{ DP}(\text{Pa})$



VF Series

MODEL	JOINT WIDTH	MINIMUM OPENING	MAXIMUM OPENING	EXPOSED SURFACE	BLOCKOUT WIDTH	BLOCKOUT HEIGHT	SEAL DEPTH
VF-100*	1.00" (25mm)	0.50" (13mm)	1.50" (38mm)	1.00" (25mm)	N/A	N/A	1.75" (44mm)
VF-150	1.50" (38mm)	0.75" (19mm)	2.25" (57mm)	1.50" (38mm)	N/A	N/A	2.25" (57mm)
VF-200	2.00" (51mm)	1.00" (25mm)	3.00" (76mm)	2.00" (51mm)	N/A	N/A	2.50" (64mm)
VF-250	2.50" (64mm)	1.25" (32mm)	3.75" (95mm)	2.50" (64mm)	N/A	N/A	2.75" (70mm)
VF-300	3.00" (76mm)	1.50" (38mm)	4.50" (114mm)	3.00" (76mm)	N/A	N/A	3.50" (89mm)
VF-350	3.50" (89mm)	1.75" (44mm)	5.25" (133mm)	3.50" (89mm)	N/A	N/A	3.75" (95mm)
VF-400	4.00" (102mm)	2.00" (51mm)	6.00" (152mm)	4.00" (102mm)	N/A	N/A	4.50" (114mm)
VF-450	4.50" (114mm)	2.25" (57mm)	6.75" (171mm)	4.50" (114mm)	N/A	N/A	5.00" (127mm)
VF-500	5.00" (127mm)	2.50" (64mm)	7.50" (191mm)	5.00" (127mm)	N/A	N/A	5.50" (140mm)
VF-550	5.50" (140mm)	2.75" (70mm)	8.25" (210mm)	5.50" (140mm)	N/A	N/A	5.75" (146mm)
VF-600	6.00" (152mm)	3.00" (76mm)	9.00" (229mm)	6.00" (152mm)	N/A	N/A	6.00" (152mm)
VF-650	6.50" (165mm)	3.25" (83mm)	9.75" (248mm)	6.50" (165mm)	N/A	N/A	6.50" (165mm)
VF-700	7.00" (178mm)	3.50" (89mm)	10.50" (267mm)	7.00" (178mm)	N/A	N/A	7.00" (178mm)
VF-750	7.50" (191mm)	3.75" (95mm)	11.25" (286mm)	7.50" (191mm)	N/A	N/A	7.50" (191mm)
VF-800	8.00" (203mm)	4.00" (102mm)	12.00" (305mm)	8.00" (203mm)	N/A	N/A	8.00" (203mm)

*Note: VF-100 DS only Seal Depth is 2.75"

