

Technical Bulletin #189

Pecora AVB Silicone Sealant Adhesion to Air and Vapor Barriers

Pecora Air-Vapor Barrier (AVB) is a single component 100% silicone sealant designed to adhere to low surface energy materials utilized in traditional and novel air and vapor barriers. The Pecora AVB has been extensively tested per ASTM C794 test methods for peel adhesion to a variety of air and vapor barrier type materials. The following substrates have been tested and are approved for use with the Pecora AVB silicone sealant¹:

<i>Flashings & Self-Adhered Air & Vapor Barriers²</i>
3M 3015 Air & Vapor Barrier
BASF Enershield-TWF (Thru Wall Flashing)
Carlisle CCW 705 Self-Adhering Vapor Barrier
Carlisle CCW-711 Membrane & Flashing (70 & 90 mil)
Carlisle CCW MiraDRI 860/861
CETCO Envirosheet
CETCO GF-40
Copper Sealtite 2000
Dow Weathermate Straight Flashing
DuPont Flashing System
DuPont Tyvek FlexWrap
DuPont StraightFlash
Fiberweb Aquaflash 500 Waterproofing Membrane
First-Wrap Moisture Barrier
Fortifiber FortiFlash Flashing Membrane
Grace Bituthene Low Temperature Waterproofing Membrane
Grace Bituthene 3000 Waterproofing Membrane
Grace Bituthene 4000 Waterproofing Membrane
Grace Bituthene System 4000 Waterproofing Membrane
Grace Ice & Water Shield HT Membrane
Grace Perm-A-Barrier Wall Membrane
Grace Perm-A-Barrier Detail Membrane
Grace Perm-A-Barrier Wall Flashing
Grace Perm-A-Barrier Aluminum Flashing
Grace VPS (Vapor Permeable Sheet)
Grace Vycor V-40
Grace Vycor Plus & Pro
Grace Ultra Self Adhered Roofing Underlayment
HardieWrap Flex Flash
H&B Plain Copper Flashing
H&B Copper-Flex Copper Fabric Flashing
H&B Copper SA Thru Wall Flashing
H&B Flex-Flash Flashing
H&B Mighty Flash Stainless Steel Fabric Flashing
H&B Plain Stainless Steel Flashing
H&B TextroFlash Thru Wall Flashing
H&B X-Seal Air & Vapor Barrier
Henry Air-Bloc LF
Henry Blueskin SA, SA LT, SA HT
Henry Blueskin VP 100 ³
Henry BlueskinVP 160
Henry Foilskin SA Weather Barrier Membrane
Henry HE200AM Metal Clad Weather Barrier
Henry TWF (Thru Wall Flashing)
Hyload Surface Adhered Flashing Membrane (w/ DRIP)



Technical Bulletin #189

Pecora AVB Silicone Sealant Adhesion to Air and Vapor Barriers

Flashings & Self-Adhered Air & Vapor Barriers (cont.)²

Hyload Jamb Enclosure Flashing Membrane
Novafash SA (by IPG)
Pecora XL-Flash Liquid Flashing & Joint Filler
Polyguard 650 Waterproofing Membrane
Protecto Seal 45 Foil Faced Exposed Membrane
Protecto Wrap BT25XL
Protecto Wrap 100/40 Thru Wall Flashing
Protecto Wrap Super Stick Building Flashing
Tremco ExoAir 110/110LT
Tremco ExoAir 220 Fluid Applied Membrane
Tremco ExoAir TWF (Thru Wall Flashing)
TYPAR Flashing RA
VaproShield VaproLiqui-Flash Liquid Flashing
VaproShield RevealShield SA Membrane
VaproShield WrapShield SA Membrane
WR Meadows AirShield Self-Adhering Air Barrier
WR Meadows AirShield TWF
WR Meadows Mel-Rol Waterproofing Air Barrier
XtraFlash Plus Flashing
Zip System Flashing Tape

Liquid Applied Air & Vapor Barriers

BASF Acrostop R Vapor Permeable Membrane
BASF Enershield-HP Spray
BASF Sonoshield HLM 5000
Carlisle Barriseal
Carlisle Barritech NP
Carlisle Barritech VP
Dow DefendAir 200 Air & Weather Barrier
DuPont Tyvek Fluid Applied Air Barrier
Grace Perm-A-Barrier Liquid
Grace Perm-A-Barrier VP
Henry Air-Bloc 07 Vapor Permeable Air Barrier Membrane
Henry Air-Bloc 31MR Air & Vapor Barrier Membrane
Henry Air-Bloc 32MR Air & Vapor Barrier Membrane
Henry Air Bloc 33MR UV Resistant Air & Weather Barrier
Parex WeatherSeal Spray & Roll-On Membrane
Pecora XL-Perm Air & Vapor Barrier Membrane
Prosoco R-Guard Cat 5 Air & Water Resistive Barrier
Prosoco R-Guard Fast Flash (PM7000)
Prosoco R-Guard MVP Air & Water Resistive Barrier
Prosoco R-Guard VB Air & Water Vapor Barrier
Rub-R-Wall Airtight Air & Vapor Barrier Membrane
Sto AirSeal
Sto Gold Coat
Sto Emerald Coat
Tremco ExoAir 120 SP/R (Spray/Roller Grade)
W.R. Meadows Air-Shield LM
W.R. Meadows Air-Shield LMP
W.R. Meadows Air-Shield LSR



Technical Bulletin #189

Pecora AVB Silicone Sealant Adhesion to Air and Vapor Barriers

<i>Air & Vapor Barrier Building Wraps</i>
Barricade Plus Building Wrap
DuPont Tyvek Flashing System (Commercial & Home Wrap)
GreenGuard MAX Building Wrap
Hardie Wrap Weather Barrier
Typar MetroWrap Building Wrap
VaproShield RevealShield Air Barrier Membrane
<i>Architectural Coatings</i>
Pecora WeatherClad
StoCoat Lotusan
StoSilco Lastic
<i>Accessories</i>
3M 8067 All Weather Flashing Tape
Dupont Tyvek Tape
Henry 925 BES Sealant ³
Hohmann & Barnard X-SEAL Tape
Hyload Structural Roofing Sealant ⁴
Prosoco R-Guard Joint & Seam Filler (FR7200)
Protecto Wrap Detail Tapes
Protecto Wrap SafSeal Tapes
StoGuard Tape
VaproShield VaproAluma Tape
<i>Other</i>
Glass
Stainless Steel
Mill Finish Aluminum
Anodized Aluminum
Painted Metal (Kynar, Duranar, Fluoropon, Duracron, etc)
Copper
Vinyl
Wood (Bare and Stained)
Pecora Silspan Preformed Silicone Profiles
Georgia-Pacific DensGlass Sheathing
National Gypsum Gold Bond e ² XP Sheathing

¹ The results reported here are not considered a substitute for project specific field or laboratory adhesion testing. Project specific adhesion testing is always recommended.

² Application to polyethylene side only (where applicable). Contact with asphaltic side of peel and stick may result in discoloration and loss of adhesion. Since Pecora architectural sealants are applied to varied substrates under diverse environmental conditions and construction situations, it is recommended that substrate testing be conducted prior to application. If this is not possible prior to sealant application a field adhesion test may be conducted as outlined in [Pecora's Technical Bulletin #55](#).

³ For use in static joints only

⁴ Sealant must be fully cured prior to application of Pecora AVB sealant.

