

## ADSEAL 4560V NEUTRAL CURE SILICONE UL94HB

### DESCRIPTION

ADSEAL 4560V is a translucent, one-component sealant/adhesive that vulcanizes as durable, elastic rubber silicone in contact with ambient humidity. It was developed primarily for the heating, ventilation and air conditioning (HVAC) industry. Due to its rheological and non-sagging characteristics, it can be applied above the head, over the joints and on surfaces of vertical and horizontal walls.

ADSEAL 4560V adheres to glass, most types of wood, clean metals, silicone resins, ceramics, vulcanized silicone, synthetic and natural fibers and many painted surfaces (Validate with your representative) or certain plastics.

ADSEAL 4560V CAN NOT BE PAINTED.

It does not give off any unpleasant odor during vulcanization and will not oxidize the metal (discoloration of copper-based metals may occur when sealed tightly). Due to its vulcanization system in contact with moisture, the depth of the bead should not exceed 1/2 " (13 mm), otherwise the sealant cannot vulcanize completely. Minimum movement joint should be 1/4" x 1/4".

### SPECIFICATIONS

- Meets CAN / CGSB standards 19.13-M87
- Meets ASTM C920, type S, NS grade
- UL94HB approved
- CFIA accepted

### LIMITATIONS

- Not designed for permanent immersion joints
- Where the sealant is encapsulated and does not have access to ambient humidity
- In contact with strongly acidic or alkaline products
- Not designed for sealing horizontal traffic joints
- Not recommended for joint less than 1/4 " or 6 mm. (width and depth)

### PHYSICAL PROPERTIES

Uncured	
Appearance	Pasty
Color	Translucent
Density	1.02
Tack free time (20°C / 68°F – 50% R.H.)	10 – 15 minutes
Extrusion rate ( 20 psi / nozzle diameter 5mm)	100 – 400 gr / min.
V.O.C.	44.2 g/L
Shelf life	24 months
Cured	
Shore A hardness	17
Elongation at break (ASTM D412)	675%
Tensile strength (ASTM D412)	111 psi
Lap shear	55 psi
Maximum service temperature	177°C (350°F)

**ADSEAL 4560V**  
**NEUTRAL CURE SILICONE UL94HB****APPLICATION**

- EVR and HVR Air exchanger
- Air exchanger cores
- HVAC components (plate exchanger)
- Energy recovery wheel
- Thermogain heat pipe

**SURFACE PREPARATION**

Surface must be free of dust, oil, grease, frost or any other contaminant. Use ADSEAL CLEANER 6003 to clean all surfaces. Let it evaporate 20 minutes before sealant application. Ensure that the backer rod ADSEAL BACKER ROD is friction fitted properly and ADSEAL PRIMER MK60095 have been applied if necessary. When using ADSEAL PRIMER MK60095 let evaporate for 20 minutes prior to ADSEAL 4560V application.

**METHOD OF USE**

ADSEAL 4560V is easy to apply with conventional manual, pneumatic or electric caulking equipment. Shape the sealant bead with the ADSEAL TOOLING KIT before skin formation. In order to facilitate the work, the shaping can be done with a solution of 5% clear dish soap and 95% water. Dip the ADSEAL TOOLING KIT into the solution. Avoid applying solution directly to the sealant. The use of this solution may reduce sealant adhesion if used in an abusive manner. Uncured sealant can be clean with a solvent such as mineral spirit.

**PACKAGING**

- 304ml cartridge
- 600ml sausage
- Pail
- Drum

**STORAGE**

Store the sealant in closed original packaging. Store in dry premises at a temperature lower than 25°C (77°F). Expiration date is indicated on each container. Storage beyond the date specified on the container does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality insurance reasons. Contact our technical service.

**CAUTION**

Always consult sds (safety data sheet) before using the adhesive. For industrial use only. For more information, please contact your technical representative.

**ADSEAL 4560V**  
**NEUTRAL CURE SILICONE UL94HB****IMPORTANT****READ CAREFULLY**

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