



326 Exchange Drive
Arlington, Texas 76011
817-469-7777

Technical Data Sheet SPI-9065

1 Part Self Leveling Adhesive Sealant

Description:

SPI-9065 is a ready-to-use adhesive sealant, which reacts with atmospheric moisture to form a resilient rubber, which remains flexible over a very wide temperature range. SPI-9065 liberates a very small amount of acetic acid during cure which gives rise to the familiar “vinegar” odor, which quickly dissipates after cure.

These high specification sealants are ideal for a myriad of engineering applications from production work to fast, effective maintenance and on-the-spot repairs. They are applied directly from the cartridge and cure at room temperature. Under typical ambient conditions they develop a tack free surface in approximately 15 minutes and cure within 24 hours.

Key Features:

- Controlled flow to prevent fabric strike-through
- Good transparency in thin section
- Non-blocking of fine nozzles
- Fast cure through

Use and Cure Information:

SPI-9065 is ready for use. If supplied in cartridges it can be applied using either manual or pneumatic dispensers. It can also be applied from bulk containers using conventional drum dispensing equipment.

All surfaces to which the adhesive is to be applied should be clean, dry and free from grease, dirt, and loose material. Priming of surfaces is not normally required. If being employed as an adhesive, it should be applied to one clean surface and the other clean surface brought into contact with it within 5 minutes. For optimum bond strength the thickness of the sealant joint is 1 to 2mm. Joints should be left undisturbed for at least 24 hours, but preferably longer to effect sufficient depth of cure. Full cure requires 7 days.

“For pneumatic dispensing of 310 ml cartridges, the recommended pressure is 2.25 to 3.45 bar (40 to 50 psi). Dispensing pressure above the recommended limits may lead to gas bypassing the piston, causing spluttering at the nozzle and poor bead quality”

Electrical Properties

Volume Resistivity:	ASTM D-257	1.4E+15Ω.cm
Surface Resistivity:	ASTM D-257	1.20E+16Ω
Dielectric Strength:	ASTM D-149	18 kV/mm
Dielectric Constant at 1MHz:	ASTM D-150	3.0
Dissipation Factor at 1MHz:	ASTM D-150	2.5E-3



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Typical Properties

Property	Test Method	Value
Uncured Product		
Color		Translucent
Appearance		Translucent Viscous Liquid
Tack Free Time		9 Minutes*
3mm Cure Through		4 Hours*
Extrusion Rate		509g/Minute
Viscosity *measured at 23+/-2°C and 65% relative humidity.		49000 mPas
Cured Product (after 7 days cure at 23+/-2°C and 65% relative humidity)		
Tensile Strength	BS903 Part A2	0.90 MPa
Elongation at Break :	BS903 Part A2	328 %
Youngs Modulus:		0.20 MPa
Modulus at 100% Strain:	BS903 Part A2	0.27 MPa
Tear Strength:	BS903 Part A3	2.24 kN/m
Hardness:	ASTM D 2240-95	30° Shore A
Specific Gravity:	BS 903 Part A1	1.02
Linear Shrinkage:		0.50%
Thermal Conductivity:		0.20 W/mK
Coefficient of Thermal Expansion:		
Volumetric		879 ppm / °C
Linear		293 ppm / °C
Min. Service Temperature:		-50 °C
Max. Service Temperature:	AFS 1540B	250 °C

Adhesion Testing:

Good unprimed adhesion too many substrates including glass stainless steel, aluminum and most plastics. Customers are advised to carry out their own tests on clean, degreased substrates to ensure satisfactory adhesion is achieved. All values are typical and should not be accepted as a specification.

Packaging:

310 ml cartridges. Arrangements can be made to supply in bulk containers

Storage and Shelf Life:

Expected to be 24 months in original, unopened containers below 40°C.



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Toxicity and Handling

Please see our SPI-9065 safety data sheet for more details. Information for safe use of this product is not included in this document. Before handling please read container labels and the safety data sheet for physical, environmental and health hazard information.

Limited Warranty Information:

The information and recommendations in this publication are to the best of our knowledge reliable. However nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purposes. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

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