TECHNICAL DATA SHEET



SilSo Bond 14000 1 part non-corrosive neutral cure adhesive sealant

Description	Property	Test Method	Value
This is a non-corrosive, neutral cure, 1-part, RTV (Room Temperature Vulcanising) silicone adhesive sealant. It is one in a range of Alkoxy cure products which are solvent free. It exhibits excellent primerless adhesion to many substrates and cures at room temperature when in contact with atmospheric moisture to form a tough rubber. This product will not corrode copper or its alloys and is suitable for use with electronic components.	Uncured Product Cure Type Rheology Self Bonding Tack Free Time / Skin Formation at 23°C/73°F		Alkoxy Paste Yes 2
 Key Features UL listed in file E334038 (UL94V-0) Non corrosive Non slumping paste Easily dispensed 	Cured Product 7 days at 23+/-2°C and 50+/- Color	-5% humidity	Black
Use and Cure Information This product is a ready for use 1 Part system. If supplied in cartridges it can be applied using either manual or pneumatic dispensing guns. It can also be applied from bulk containers using conventional drum dispensing equipment. All surfaces to which the sealant is to be applied should be clean, dry and free from grease, dirt, and loose material. Priming of surfaces is not normally required. If using as an adhesive, it should be applied to one clean surface and the other clean surface brought into contact with it within the tack free time stated	Elongation at Break Hardness Shore A Max Working Temp Min Working Temp Tensile Strength Thermal Conductivity UL 94V-0 UL File No.	ISO 37 ASTM D 2240-95	1.41 g/cm3 263 % 48 220 °C / 428 °F -50 °C / -58 °F 3.13 N/mm2 / 454 psi 0.33 W/mK Yes E334038
opposite. For optimum bond strength, the thickness of the sealant joint should be a minimum of 1 mm. The sealant will cure upon exposure to atmospheric moisture, ideally between 20 to 30 °C and 40% to 70% Relative Humidity. Time taken for cure will depend on the thickness of the joint, humidity and temperature. Joints should be left undisturbed for at least 24 hours, but preferably longer to effect sufficient depth of cure. Full cure requires 7 days.	UL Listed Electrical Properties Volume Resistivity (Ohms cm) Storage Max Storage Temperature	ASTM D-257	Yes 1.48E+15 ohms cm 40 °C / 104 °F
"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 ga quality" It is important to check the compatibility in premininary tests if unkno Health & Safety	Shelf Life s bypassing the piston, causing own substrates are used.	g spluttering at the	12 mths

Health and Safety

Safety Data Sheets available on request.

Packaging

CHT Adhesives are available in a variety packaging including cartridges and bulk containers. Please contact our sales department for more information.

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