# **TECHNICAL DATA SHEET**



### AS1720WCN ve Neutral Cure Adhesive Sealant and Potting N

1 Part Non-Corrosive Neutral Cure Adhesive Sealant and Potting Materia	al (Electronic			
Grade)				

Description	Property	Test Method	Value
This is a non-corrosive, neutral cure, 1-part, RTV (Room	Uncured Product		
Temperature Vulcanising) silicone adhesive sealant. It is one in a range of Alkoxy cure products which are solvent free. It exhibits	Cure Profile		23+/-2°C and 50+/-5% humidity
excellent primerless adhesion to many substrates and cures at room temperature when in contact with atmospheric moisture to	Cure Through to 3 mm Depth		24 hr
form a tough rubber. This product will not corrode copper or its	Cure Type		Alkoxy
alloys and is suitable for use with electronic components.	Rheology		Paste
Key Features	Self Bonding		Yes
<ul> <li>Neutral cure</li> <li>Non corrosive to sensitive substrates</li> <li>Non slumping paste</li> </ul>	Tack Free Time / Skin Formation at 23°C/73°F		15 min
<ul> <li>Adhesive to most substrates</li> </ul>	Cured Product		
Application	Color		White
Electronic assemblies, automotive	Density	BS ISO 2781	1.38 g/cm3
Use and Cure Information	Elongation at Break	ISO 37	560 %
This product is a ready for use 1 Part system. If supplied in cartridges it can be applied using either manual or pneumatic	Hardness Shore A	ASTM D 2240-95	35
dispensing guns. It can also be applied from bulk containers using conventional drum dispensing equipment.	Max Working Temp		220 °C / 428 °F
All surfaces to which the sealant is to be applied should be clean,	Min Working Temp		-50 °C / -58 °F
dry and free from grease, dirt, and loose material. Priming of	Tensile Strength	ISO 37	2.5 N/mm2 / 363 psi
surfaces is not normally required. If using as an adhesive, it	Thermal Conductivity		0.4 W/mK
should be applied to one clean surface and the other clean surface brought into contact with it within the tack free time stated	Electrical Properties		
opposite. For optimum bond strength, the thickness of the sealant joint should be a minimum of 1 mm.	Dielectric Strength (V/mil)		>457 V/mil
The sealant will cure upon exposure to atmospheric moisture,	Storage		
ideally between 20 to 30 °C and 40% to 70% Relative Humidity.	Max Storage Temperature		40 °C / 104 °F
Time taken for cure will depend on the thickness of the joint, humidity and temperature. Joints should be left undisturbed for at	Shelf Life		12 mths
least 24 hours, but preferably longer to effect sufficient depth of cur			

"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"

It is important to check the compatibility in premininary tests if unknown substrates are used.

### Health & Safety

#### 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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