

Techsil® Zemrex C200

Product Description

Techsil® Zemrex C200 is a 1 part ready to use, silicone rubber sealant, recommended for evaluation in applications where electrical semi conductivity of the sealant is a significant design consideration. On exposure to moisture in the air at room temperature this adhesive sealant cures to a tough, durable, resilient silicone rubber. It utilises a moisture vapour cure system, which releases an acetic acid vapour from the sealant surface during cure.

Due to its paste like consistency, Techsil® Zemrex 200 will only flow with external pressure making it suitable for use on horizontal, vertical and overhead surfaces in a thickness of up to 10mm.

Key Performance

- Semi Conductive
- Self Adhesion properties
- One Component Product
- Resistance to High Temperature a
- Low Temperature Flexibility
- Thixotropic Paste Consistency

Application

Techsil® Zemrex C200 should be considered for industrial applications where electrical semi-conductivity characteristics of the finished product are important. Typical applications are gaskets and seals for electronic parts, which need EMI Shielding.

Typical Uncured Properties:

Colour	Black
Specific Gravity (g/cm)	1.06
Application Rate (g/min)	550
Tack Free Time (Min)	20
Consistency	Soft spreadable paste

Typical Product Data*:

Hardness (Shore A)	35
Tensile Strength (MPa)	2.0
Elongation (%)	250
Shear Adhesion (Mpa)	1.0
Surface Resistivity (Ohm)	500

*Cured for 7 days at 23°C and 50% RH

Specifications

Typical Product Data Values should not be used as specification. Assistance and specification are available.

Contact Details

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Instructions for Use:

Techsil® Zemrex C200 will bond with most clean surfaces, without the aid of primers. These surfaces mainly include most metals, glass, ceramic, silicone rubber and most some rigid plastics.

A preliminary check should first be made to determine bonding effects for each specific application.

For difficult to bond substrates, use of a primer will usually improve adhesion. Primers SS4004P, SS4404P and SS4155 are recommended to use with this sealant/adhesive.

Where Adhesion is required, surface should be thoroughly cleaned with a suitable hydrocarbon solvent such as naphtha, methyl ethyl ketone (MEK) and isopropyl alcohol (ips) to remove dirt, oil and grease. The surface should be wiped dry before applying the adhesive/sealant.

Clean up / Removal

For not cured naphtha, methyl ethyl ketone (MEK) is most effective for clean up.

After cure, selected chemical strippers, which will remove the silicone rubber, are available from other manufacturers. Specific product information may be obtained on request.

Handling and Safety

Material Safety Data Sheets available on request.

Storage

The warranted shelf life will be indicated by the 'use before date' on associated documents with a minimum 4 months when stored in the original unopened containers below 27°C

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their particular use.

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