



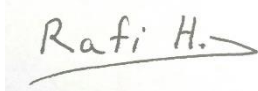
Israel Electric Corp. Ltd.
Generation & Energy Group
Generation, Engineering and Maintenance Division
Chief Chemist Department



Specification No. 4104	Technical Specification for Chemicals and similar materials
Version: 02	
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Page 1 of 5	Category: Sealants
Cancels and replaces Specification No. 4104 version 01	

IEC Specification

Universal Assembly Adhesive and Sealant

	Name	Date	Signature
Updated by	Efrat Brayer	29/12/2024	
Checked by	Dr. Rafi Halauí	29/12/2024	
Approved by	Perry Shoshany	29/12/2024	

1. **Purchaser:** Israeli Electric Corporation (IEC)

2. **Scope:**

This specification describes the requirements for **Universal Assembly Adhesive and Sealant**, used *in* IEC for internal and external construction repairs.

3. **IEC Catalog No.**

Catalog No.	Description
5237833	Universal Assembly Adhesive and Sealant, Package : 280 - 300 mL Cartridge

4. **Physical and Chemical Requirements**

- 4.1. The sealant shall be one-component, paste-like silicone rubber, which cures to a tough, rubbery solid upon exposure to moisture in the air.
- 4.2. The proposed product shall comply with the physical and chemical properties mentioned in tables 1- 2 (see Appendix No. 1).

5. **Packaging and Marking**

- 5.1. The product shall be supplied according to the package sizes mentioned in paragraph 3.
- 5.2. Each package shall be legibly and durably marked with at least the following details:
 - Product Name
 - Manufacturer's Name
 - Part Number
 - Material description and concentration
 - Net volume of package
 - Distinctive lot or batch number
 - Date of manufacture
 - Date of expiration
 - Safety Marking

- 5.3. Marking shall be made by stenciling or other similar process and shall be waterproof.

6. Quality Assurance

- 6.1. The manufacturer shall have a certificate attesting compliance with the requirements of the international standard ISO 9001 valid for the scope of supply required in IEC specification.
- 6.2. The quality of the product is under the responsibility of the supplier.

7. Tender Documentation

The Supplier / Manufacturer shall submit with its offer to the tender the following documents in their latest version:

- 7.1. The bidder shall fill in table 1 and table 2 in Appendix 1 according to the product's specification as stated by the manufacturer.
- 7.2. The bidder shall provide a certificate attesting compliance of the Manufacturer with the requirements of the international standard ISO 9001 valid for the scope of supply required in IEC specification. The date of validity of the certificate and the edition of ISO 9001 standard shall be valid on the last date set for submission of proposals in the tender.
- 7.3. Manufacturer's Technical specification (TDS), containing at least, the data required in IEC Specification.
- 7.4. Manufacturer's Safety Data Sheet (SDS).
- 7.5. Manufacturer's Part Number (P/N).

8. Delivery Documentation

Each delivery shall be accompanied by the following documents:

- 8.1 Manufacturer's Certificate of analysis (COA) of the proposed product from certified laboratory* for tests in this field, containing at least, the data required in IEC Specification.
- 8.2 Manufacturer's Safety Data Sheet (SDS) for the proposed product.

Remark *

Certified Laboratory is a laboratory with quality management system which meets with ISO 9001 requirements relevant for laboratory tests and/or laboratory services.

9. References

- DIN 53505 – Shore A and Shore D Hardness Testing of Rubber.
- ASTM D2240 – Standard Test Method for Rubber Property – Durometer Hardness.
- ASTM D412 – Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers- Tension.
- Israeli Standard 2302 part 1 – Dangerous substances and preparations : Classification, packaging, labeling and marking.
- Israeli Standard 2302 part 2 –Dangerous Substances and preparations - Transportation : Classification, packaging, labeling and marking.

Appendix No. 1: Declaration of the manufacturer

Table No. 1: Declaration Concerning Technical Requirements of Delivery

Requirement	Yes/No
Package: 280 - 300 mL Cartridge	
Universal Assembly adhesive sealant	
one-component 100% adhesive	
based on MS	
Solvent Free	
Suitable for internal and external use with construction materials	
UV and water resistant	

Table No. 2: Technical requirements of proposed product

Property	Requirement	Manufacturer's Data
Color	White	
Curing rate, (20°C-25°C / 50%-65% R.H.), Min, [mm/day]	2	
Elongation to break, (ASTM D412, or equivalent), Min [%]	200	
Hardness, (DIN 53505/ASTM D2240, or equivalent) Min, [Shore A]	40	
Tensile strength, (ASTM D412, or equivalent), Min [PSI]	2.0	
Apply at Temperature [°C]	5-30	
Shelf Life at delivery, min [months]	9	

Name of Manufacturer: _____

Signature of the Bidder or Quality Assurance Manager of the
Manufacturer: _____

Date: _____