



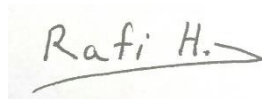
Israel Electric Corp. Ltd.
Generation & Energy Group
Generation, Engineering and Maintenance Division
Chief Chemist Department



Specification No. 807	Technical Specification for Chemicals and similar materials
Version: 03	
First Version: 01/09/2012	
Valid Since: 25/12/2024	
Page 1 of 5	Category: Polyurethane sealing foam
Cancels and replaces Specification No. 807 version 02	

IEC Specification

Polyurethane sealing foam

	Name	Date	Signature
Updated by	Efrat Brayer	25/12/2024	
Checked by	Dr. Rafi Haloui	25/12/2024	
Approved by	Perry Shoshany	25/12/2024	

1. Purchaser: Israeli Electric Corporation (IEC)

2. Scope

This specification describes the requirements for one-component polyurethane (PU) foam, supplied in pressurized canisters, intended for use as a sealing material.

3. IEC Catalogue numbers

Catalog No.	Description
1807726	SEALING COMPOUND POLYURETHANE BASED, Package: 600-750mL canister, each package shall contain 12 canisters.

4. Physical and Chemical Requirements

- 4.1. The sealant shall be one-component polyurethane (PU) foam.
- 4.2. The sealant cures through a chemical reaction with water present in atmospheric moisture. The reaction facilitates its transition from a liquid state to a solid state, ensuring durable and robust performance in various applications.
- 4.3. It shall be supplied in pressurized canisters and shall be CFC's and HCFC's free.
- 4.4. The proposed product shall comply with the physical and chemical properties mentioned in tables 1- 3 (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 weight or 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

- 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
- DIN 53421 - Testing of rigid cellular plastics; compression test
- DIN 4102-1- Fire behaviour of building materials and elements - Classification of building materials - Requirements and testing

Appendix No. 1: Declaration of the manufacturer

Table No. 1: Declaration Concerning Technical Requirements of Delivery

Requirement	Yes/No
IEC catalog No. 1807726 Package: 600-750mL	

Table No. 2: Technical Requirements of the sealant- Manufacture's declaration

Property	Requirement	Manufacture's Declaration
In pressurized canister	free of CFC's and HCFC's	Yes / No
Curing Conditions	Absorbs moisture from the atmosphere	Yes / No

Table No. 3: Technical Requirements of the sealant- Manufacture's value

Property	Requirement	Manufacture's Value
Application temperature [°C]	5 to 30	
Useful temperature range [°C]	-30 to 80	
Skin over time, Max. [minutes]	10	
Compression strength (DIN 53421 or equivalents) [MPa]	0.03 – 0.06	
Flammability class (DIN 4102-1)	B3	
Shelf life in original unopened package, at the time of delivery [Months]	> 9	

Name of Manufacturer: _____

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

Date: _____