



ISO 9001:2008 Certified Company  
"TIME TESTED PRODUCTS"  
SINCE 1972

# Zahabiya

## Sealing Gum ZSG-12/99

Ever-Flexible Elastomeric Gum Sealant

**Zahabiya Sealing Gum** is an elastomeric sticky textured sealant possessing high cohesion, tack & elongation properties. It is dense, flexible and non-hardening putty with excellent ageing properties. As a Duct Sealant in Central Air-Conditioning (HVACR), it is usable for the installation and maintenance of water tight, air/gas tight, vapour barrier, U/V, Ozone & weather resistant & non-cracking soft seal with very good adhesion on various surfaces. At all such special jobs & places where removable elastic insulating sealant is needed, the product is ideal being weather resistant, water/ oil proof, non-conductor to electricity, non-magnetic, non-toxic and perfectly safe in handling ("**Human Friendly/ Environmentally Acceptable Product**"). Being satisfactorily used in Air Conditioners, Refrigerators & Deep Freezers manufacturing since last more than 3 decades as an elastic putty, ZSG-12/99 is also used for sealing laps/seams in mechanical sheet metal fabrication and sealing the expansion joints in Air Conditioning Ducts (Medium and High Velocity). Also effectively used as shock absorbent & sound deadener by Engineering sector.

**COLOUR:**  
**CONSISTENCY:**  
**DENSITY:**  
**NON-VOLATILES:**  
**DIMENSION:**  
**FLEXIBILITY:**  
**COVERAGE:**

**ELONGATION:**  
**DRYING:**  
**SERVICE TEMPERATURE:**

**VAPOUR PERMEANCE:**

**APPLICATIONS:**

Normally grey. Black/ white available on order (ASTM D1729).

Dense, flexible & soft non-flowing putty.

Averages about 1.45kg/ litre (ASTM D792).

99% by weight (ASTM D2369).

Flat thick slabs/ blocks wrapped in Zahabiya branded paper.

Non-Cracking at 0°C when bent around 6 mm mandrel (ASTM C765).

Depends upon the dimension applied in. Normally 1ft x 1sq. inch compact filling averages 260 grams.

Up to 800% at 30°C.

Touch dry in 5 minutes. Always remains soft & pliable (ASTM D1640).

Can be applied on surfaces with temperature from -10°C up to 190°C (continuous) and for intermittent exposure up to 260°C (short spell). Usable up to -45°C, as in Refrigerators/ Deep Freezers.

The water vapour transmission through 1" of impermeable insulation of 12" x 1/4" block of "Zahabiya SEALING GUM" is negligible to be recorded. (ASTM E96). Manually by hand or pressurised applicator. **SHOULD BE APPLIED DENSELY AND COMPACTLY** without air pockets, spaces, voids or cavities entrapped inside. Easily hand moulded in desired shape and dimension.

### REFRIGERATORS/DEEP FREEZERS:

1. Drain water tray sealing, Thermopore to Plastic.
2. Suction line sealing to prevent moisture to polyurethane contact.
3. Sealing delicate leakage points, seam joints during polyurethane foaming in the Refrigerators/Deep Freezers.
4. Shock absorber & vibration controlling sealant.

### AIR CONDITIONERS MANUFACTURING:

1. Blower housing of Thermopore / Metal Sealing.
2. Metal to metal gap filling, vibration controller, sound deadener and for air leakage control.
3. Compressor terminal box (Electrical) sealing to prevent moisture entrance as a non conductor sealant.
4. Window sealing / weather proofing in installations.
5. As a water proofing & vapour barrier sealant.

### AIR CONDITIONING DUCTING & ELECTRICAL APPLICATIONS:

1. In Low and High Velocity Ducts fabrication/assembly on the seam joints at places where soft elastic removable seal is required enabling the maintenance staff to easily open the ducts whenever necessary.
  2. Usable best at expansion joints as soft permanent gasket seal. The advantage is that the same sealant can be reused if removed carefully for maintenance and inspection purpose.
  3. As insulating & gap-filling anti-rodent sealant in conduits, wall openings etc.
- Usable up to 5 years on proper storage around 25-30°C.



### SHELF LIFE:

#### IMPORTANT NOTICE:

The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya original sealed product only, provided used within shelf life as supplied originally.



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