



ISO 9001:2008  
Certified Company

# Zahabiya

## NOZZLE LINING COMPOUND NLC-010

### Special Grade Multi-Purpose Tin Can Sealing Compound

Zahabiya NLC-010 (Special), is rubberised sealing compound, used in the fabrication of tin containers, composite cans etc. having metallic (tin) top/bottom ends to provide a gasket between two metal contacts to prevent any possible leakage/seepage. It is a free flowing dispersion of acrylic resin, synthetic rubber latex containing essential resins, plasticizers, preservatives, anti-oxidants which on perfect drying (curing) provides an Air-Tight double seam of the tin cans applied in. The cured film of this compound is Non-Poisonous & Non-Rusting to Tin Plate/TFS, provided used as supplied.

Suitable mostly for the round, oval, oblong cans, vacuum packed tins, retorted cans, cans to be closed with or without steam, OTS cans made to fill a very wide range of the products including:

- 1 General & Special Food Products.
- 1 Juices, Milk, Cheese, Jams, Spices, Pickles.
- 1 Meat and Sea Food Products.
- 1 Edible Oil, Lubricating Oils & Greases.
- 1 Paints, Varnishes, Lacquers & Emulsions.
- 1 Pesticides and Insecticides.
- 1 Other Medium Corrosive Products.

This product is formulated only from raw materials that comply with the USA Food and Drug Administration (FDA) regulations, CFR Title 21 part 175.300 (b) (xxx) Resinous and Polymeric Coatings; Can End Cements (Sealing Compounds).

COLOUR:	Light Grey, Red, Translucent. Optional colours available for bulk orders.
ODOUR:	Slightly ammoniac smell in liquid state. No remarkable smell on heat curing.
DENSITY:	1.21 kg/litre. [ASTM D1475]
NON-VOLATILE:	61% w/w on average. [ASTM D2369]
DRYING:	<u>Air Drying</u> ; however the film resistance properties greatly improve on stoving at 120°C for about 5-8 minutes, in air circulatory oven. (On hot plate, stoving at 110°C for 5 minutes).
SEASONING:	For can fabrication, use the lined ends after 24 hours room temperature storage.
BEHAVIOUR:	The properly cured film is soft and flexible, non-cracking, cold & hot water proof, fuel, oil, grease, solvents & other aliphatic & aromatic hydrocarbon resistant, resistant to dilute acid/ alkali, medium corrosive products, pesticides/insecticides etc.
APPLICATIONS:	Nozzle Lining Compound NLC-010 can be applied on the top and bottom ends of tin cans by means of a pressure controlled lining machine or shower head lining machine. In these kind of machines, the Lining Compound is retained in an air-tight vessel, provided with the air pressure system, to facilitate the flow of compound through a pre-selected size nozzle or "showerhead", on to the top or bottom channels (curled) of tins. The application and the layer thickness of the compound transferred is controlled by the air pressure setting gauge. EVERY CARE should be taken to ensure that the surfaces of all the fittings, valves, tanks and pipes; likely to come in contact with the compound are made up of Iron / Stainless Steel and not of copper, Brass, Aluminium or Galvanised metal because these tend to have detrimental effects on the properties of the compound.  PREFERABLY strain the compound before pouring in the reservoir. As the compound is THIXOTROPIC, it must be slowly agitated before use, to ensure uniform mixing of all the ingredients throughout. Keep airtight in the original container after every use. Also ensure that the surface applied on is perfectly cleaned, degreased and dried to get the best results.
DILUENT:	Avoid Dilution. If necessary, use distilled water or liquor ammonia (20% strength) as diluent (3% max ).
SAFETY:	Non-Flammable, Safe in Handling, Non-Rusting, Non-Toxic and perfectly Safe for edible products. A "Human Friendly/ Environmentally Acceptable Product".
STORAGE/ SHELF-LIFE:	To be stored in air tight, secured capped containers, at well ventilated place; away from heat & sun, preferably between 25°C to 30°C. Use within <u>one year</u> from the supply date to ensure best results. As the product is THIXOTROPIC, must be mixed thoroughly before each usage.

NOTE: Special TUBE GRADE for Zahabiya Nozzle Lining Compound NLC-010 is also available for sealing METALLIC COLLAPSIBLE TUBES used for ointments, petroleum jelly based medical formulations, tooth pastes, oral pastes etc.

**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 product only, provided used within shelf life as supplied originally.

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