



ISO 9001:2008
Certified Company

Zahabiya

DIE LINING COMPOUND DLC-020

Special Grade Multi-Purpose Tin Can Sealing Compound

Zahabiya DLC-020 (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 liquid 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.

Applied through die stamping system and suitable mostly for the 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:	1.18 kg/litre. [ASTM D1475]
NON-VOLATILE:	56% 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:	Die Lining Compound DLC-020 (Special) can be applied on the top and bottom ends of tin cans by means of a platen die system by impression transfer principle. The die should be of same size and shape as the flange (top/bottom) to be lined up. The compound is placed in a tray in which the "transfer" die moves alternatively in and out of compound bath/tray, picking up the compound from a tray and transferring the compound onto the end to be lined by physical contact. Ensure that the surfaces of the fittings, die and tank 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 tray. 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.

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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Rev: 02 December 2010