



Zahabiya Chemical Industries

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PRODUCT DATA

Zahabiya CANO'SOL COMPOUND VC-803 (PLASTISOL SEALING COMPOUND)

INTRODUCTION:

Zahabiya CANO'SOL COMPOUND VC-803 is Vinyl Resin based, **heat curing one component Sealing Compound**, used in the fabrication of Tin Containers and other composite cans having metallic (tin) top/bottom ends to **provide a soft seal/gasket between two metal contacts to prevent any possible leakage/seepage**; of the contents to be filled-in. It is a liquid gaskety material, which on perfect drying (curing) will provide an airtight double seam of the tin cans applied in. Based on Vinyl Resin and other essential resins, the dried film (hot air stoving) of this compound is **Non-Toxic, Non-Corrosive & Non-Rusting** to Tin Plate/TFS, provided used in the same form as supplied.

This product is characterised by high gelation rate and minimum settling at low viscosities, slightly thixotropic in nature. The vinyl compound dries up or cures only after the heat treatment to give a smooth, uniform, flexible solid end seal (gasket) of permanent nature. The product is perfectly **safe in handling**.

Suitable mostly for the oblong/rectangular end, (top/bottom) of the containers made to fill a very wide range of products e.g. **SPECIAL EDIBLE PRODUCTS** (both for general line as well as sanitary cans) **PAINTS, VARNISHES, LACQUERS, FUEL & OIL, PESTICIDES/INSECTICIDES** and such other corrosive products.

APPLICATION:

In the production of tin cans, metallic ends are lined with plastisol gelled solid seal but soft gaskets, manually by nozzled tipped bottle, by Nozzle lining machine or by Die Lining system.

Applied as **Nozzle Lining Compound**, by means of a pressure controlled lining machine, provided with the air pressure system, to facilitate the flow of compound into a pre-selected size nozzle, on to the top or bottom flange of the tins. The application and the layer thickness of the compound printed down (transferred) is controlled by the air pressure setting gauge. EVERY CARE should be taken to ensure that the entire lining system likely to come in contact with the compound is completely dry because presence of water/moisture tend to have harmful effects on the properties of the compound.

When used as **Die Lining Compound** for oblong/rectangular cans, applied to ends to Tin cans (top/bottom) by means of a platen die which must of course be of the same shape and size as the flange to be lined-in. This die picks up the compound from a tray by being brought into most close proximity with a matching transfer die, which moves alternatively in and out of compound tray. The end to be lined-in and the platen die are then brought together and a film of compound transferred down.

PREFERABLY: strain the compound before pouring in the reservoir/tray, for best results. As the compound is THIXOTROPIC, it must be slowly agitated before use, to ensure uniform mixing of all the ingredients throughout. Keep the container airtight after every use. Also ensure that the surface applied on is perfectly cleaned, degreased and dried to get the best results.

*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 proved defective **Zahabiya** product only, provided used within shelf life.*

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PROPERTIES:

COLOUR:

Available in Grey & White colours normally.

ODOUR:

Free from unpleasant odour. No remarkable smell on curing.

CONSISTENCY:

High viscosity liquid with good flowing properties.

SPECIFIC GRAVITY:

Normally ranges between 1.20°C to 1.22°C Baum', at 25°C.

SOLIDS:

Average Non-Volatile being 66% as w/v. ($\pm 1\%$).

FLAMMABILITY:

Non-flammable, in liquid or cured form.

GELATION:

The gelation temperature is proportionate to the stoving time and thickness of the compound applied in, normally ranging between 150°C to 170°C, for 5 to 6 minutes.

CURING:

Does not dry at room temperature. **The product cures completely only after the application of constant heat.** Recommended to be cured in an air circulatory oven, for proper gelation between the temperature ranging 150°C to 170°C depending on the volume applied in the flange. For best results carefully adjust the curing time between the specified range according to the stoving system, volume/size of the flange and thickness of the gasket required.

BEHAVIOUR:

The properly stoved/cured gaskety seal is soft and flexible, non-cracking, non-rusting to metal cold & hot water proof, vapour barrier, fuels/oil & solvent proof, resistant to acids & alkalies, corrosive products, pesticides/insecticides etc. Safe for edible products both for general line and sanitary cans.

SAFETY:

Safe in Handling, Non-Corrosive, Non-Toxic and safe for edible products. A **"HUMAN FRIENDLY" Product.**

APPLICATION:

Through mechanised lining compound machine, through nozzle tipped can or by the help of a platen die. The tin surface must be completely dried & cleaned when used.

SEASONING:

Use the lined ends, after minimum 8 hours room temperature storage before fabrication.

COVERAGE:

Flat surface covering area on metallic surface being approximately 6.5 Sq. Mt. per Kg. (Roller Coating).

SHELF LIFE:

Normally usable for two years on proper storage; between 20°C to 40°C. As the material is thixo-tropic, the viscosity may increase on long storage. This will not deteriorate the properties of the compound, in general. If viscosity increases on storage, add diluent and mix very slowly, use after 10 hours. Store in well ventilated place.

DILUENT/CLEANER:

Use white spirit (S.M.T.), maximum diluent to be added if most necessary must not exceed 3% by weight.