



Zahabiya Chemical Industries

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PRODUCT DATA

Zahabiya TWIST OFF CAP - ZVC 808

(Plastisol Based Gasket Compound)

INTRODUCTION:

Zahabiya TWIST OFF CAP COMPOUND VC-805 is Vinyl Resin based, heat curing one component gasket compound, used in the application of Twist Off Caps and other metallic caps to provide a soft seal/gasket to seal air tight 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 Air-tight leakage proof seal at caps applied in. Based on Vinyl Resin and other essential Resins, the dried film (hot air stoving) of this compound is Non-Toxic, Non-Poisonous, Non-Oxidising & Non-Rusting to Tin Plate/TFS and such other metals, provided used in the same form, as supplied.

This product is characterised by a high temperature gelation rate and minimum settling at low viscosities. The vinyl compound dries up or cures only after heat treatment to give a smooth, flexible solid end seal (gasket) of permanent nature, un-affected by atmospheric variations and normal wear and tear. The product is **safe in handling**, non-corrosive, non-staining when cured, being non-flammable in liquid or solid state.

Suitable specifically for the Caps/Lids used to close glass bottles/jars for a wide range of food products.

APPLICATION:

Applied through **NOZZLE LINING SYSTEM**, by means of pressure controlled lining machine, provided with the air pressure system, to facilitate the flow of compound into a pre-selected size nozzle, at the required position of caps or lids. 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 are completely dry because **presence of water/moisture tend to have harmful effects on the properties of the compound.**

PREFERABLY: strain the compound before pouring in the reservoir for best results. As the compound is THIXOTROPIC, it must be slowly agitated before use, to ensure uniform mixing of all the ingredients though out. 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 & Datas contained herein are correct to the best of our knowledge, test 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 Consumers 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 Light Gray and White colours normally.

ODOUR:

Free from unpleasant odour.

CONSISTENCY:

High viscosity liquid with good flowing properties.

SPECIFIC GRAVITY:

Normally ranges between 1.10 to 1.14°Baume at 25 °C.

SOLIDS:

Average Non-Volatile being 67% (± 1%) as W/V.

INFLAMMABILITY:

Non-flammable, in liquid or cured form.

GELATION:

The gelation temperature is proportionate to the stoving time and thickness of the filled gasket, but normally ranges between 125 °C to 140 °C for 5-6 minutes..

CURING:

Does not dry at room temperature even for month's exposure. The product cures completely after the application of constant heat above 130°C for minimum 5 minutes. Recommended to be cured in an air circulatory oven, for proper gelation between the temperatures ranging between 125 °C to 140 C depending upon the volume applied in the mould. While using the hot plate curing method; the time and curing temperature must be lower than air circulatory oven. For best results carefully adjust the curing time according to the stoving system, make of the mould and volume/thickness of the gasket required.

BEHAVIOUR:

The properly stoved/cured gasket seal once formed 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, insecticides, pesticides etc. Perfectly safe for edible products.

SAFELY:

Safe in handling, Non-Corrosive and Non-Toxic. A ***“Human Friendly”*** product.

COVERAGE:

Flat surface covering area on metallic surface being approximately 6.5 Sq. Mts. Per kg. (Roller Coating).

SHELF LIFE/STORAGE:

Normally usable for one year on proper storage; between 30 °C to 40 °C. As the material is thixo-tropic, the viscosity may increase on long storage which does not deteriorate the properties of the compound, in general. Store in well ventilated and cool place.

DILUENT/CLEANER:

To adjust viscosity use White Spirit (S.M.T.) or D.O.P. and mix very slowly and leave for at least 10 hours and then used for better application.