



Zahabiya Chemical Industries

P.O. Box 18685, K.E.P.Z.,

KARACHI – 75150

Visit us at : <http://www.zahabiya.com>



Tel : +92-21-5082323 & 5082324

Fax: +92-21-5082325 & 4960462

E-mail : firozis@super.net.pk

info@zahabiya.com

VINYL COMPOUND - ZVC- 8/1001 **(PLASTISOL MOULDING COMPOUND)**

INTRODUCTION:

VINYL COMPOUND - ZVC - 8/1001 is a heat curing one component thermosetting P.V.C. based moulding material, thixotropic in nature, especially designed to form soft seals on proper curing. This product is characterised by a high gelation rate and minimum settling at low viscosity. Being thermosetting, the vinyl compound dries up or cures only after the heat treatment to give a smooth, flexible solid end seal (gasket) of permanent nature of the desired dimension, unaffected by atmospheric variations normal wear and tear. The product is safe in handling, non-corrosive, non-staining when cured, being non-flammable in liquid or solid state.

Please check the suitable time for each intended application curing after proper trials proportionate to the dimension of gasket/seal required to get the best result. The compound, if under-cured will be brittle and over-cured will be spoiled.

This product finds many other industrial uses in addition to P.V.C. sheets, lamination & coatings on paper or textile, gaskets & seals manufacturing, as a cavity sealer, vapour barrier, water/oil/diesel/solvent proof, air tight gaskety seal etc. etc. The non-toxic, odour free nature of vinyl compound plastisols makes this particularly suitable also for food, beverages, medical and other field applications.

APPLICATION:

May be 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, on to the chromed or polished metal die/mould of the required shape. 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.**

CURING:

Recommended to be cured in an air circulatory oven for proper gelation between the temperature ranging 140°C to 170°C depending on the volume applied in the mould or cavity. While using the hot plate curing method; the time and curing temperature must be lower than air circulatory oven.

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 & 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 the shelf life.*



Zahabiya Chemical Industries

P.O. Box 18685, K.E.P.Z.,
KARACHI – 75150

Visit us at : <http://www.zahabiya.com>



Certificate No. 82051

Tel : +92-21-5082323 & 5082324

Fax: +92-21-5082325 & 4960462

E-mail : firozis@super.net.pk
info@zahabiya.com

VINYL COMPOUND - ZVC- 8/1001 **(PLASTISOL MOULDING COMPOUND)**

PROPERTIES:

COLOUR:

Normally Black. Other optional colours on bulk orders.

ODOUR:

Free from unpleasant odour.

CONSISTENCY:

High viscosity liquid with good flowing properties.

SPECIFIC GRAVITY:

Normally ranges between 1.25° TO 1.27° Baume; recorded after 48 hours of manufacturing (ASTM-D 1644).

FLAMMABILITY:

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 140°C to 170°C. The fully cured gasket withstands temperature upto 350°C.

CURING:

Does not dry at room temperature even for month's exposure. The product cures completely after the application of constant heat above 135°C for minimum 6 minutes. For best results carefully adjust the curing time according to the stoving system, make and volume of the mould and the thickness of the gasket required i.e. volume to be filled in.

BEHAVIOUR:

The product is free from radio activity, safe in handling, non-toxic & non-corrosive. The properly stoved/cured gasket seal is soft and flexible, non-cracking, non-rusting to metal, cold & hot water proof, vapour barrier, oil, fuel, diesel & solvent proof, resistant to acids & alkalies, resistant to u/v light and bad conductor of electricity (insulant in nature).

SHELF LIFE / STORAGE :

Normally usable for 2 years on proper storage; between 20°C to 35°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 and use after 8 hours. Store in ventilated/cool place.

DILUENT / CLEANER :

Use white spirit (S.M.T) or D.O.P., if dilution is unavoidable, mix slowly and leave for at least 6 to 8 hours before use. Maximum dilution must not exceed 5% by weight.