

VCI Rustopowder & Desiccants



Suprabha
PROTECTIVE PRODUCTS (PVT.) LTD.

Desiccants such as Silica gel are commonly used inside a package to absorb moisture. These are often ineffective, and at times cause corrosion of the packed item rather than the prevention. The phenomenon of bleeding of silica gel promotes acidic atmosphere in addition to increasing the humidity level inside the package.

Suprabha approaches this problem by providing two varieties of desiccants, namely the VCI Rustopowder and Dehumidifier. The former provides positive rust prevention by adsorption and the latter by absorption of the moisture and keeps the same under control.



Rustopowder

On vaporisation VCI molecules migrate and then condensate, forming a monomolecular film on the metal surface. The VCI molecules are attracted towards metal surfaces and protect every area of metal components including cavities and recessed areas.

Special Features

- ▶ In case the package is breached and the conditioned atmosphere within the package escapes into the outside atmosphere, the monomolecular VCI layer remains undisturbed due to the continuous vapour action till the powder remains inside the package
- ▶ The invisible VCI layer on items shipped need not be removed, and the parts, components or assembled units are ready for final assembly on delivery, since no depreservation or cleaning is necessary
- ▶ Continuous dry protection; effective up to 24 months
- ▶ VCI does not affect the functioning of most electrical and electronic components
- ▶ VCI powders protect both ferrous & non-ferrous metals
- ▶ Conforms to IS-5730 specifications
- ▶ General dosage 5 gm/C.ft



Dehumidifier

It is a Clay based compound, which is an excellent absorber of moisture, and does not get as soaked as to ooze the absorbed moisture when saturated. Its pH of 7 to 7.5 ensures no adverse effect on metals. The right quantity of this desiccant brings down the humidity to safer limits.

Special Features

- ▶ Absorbs moisture upto 85% of its weight
- ▶ General dosage 20 gm/C.ft
- ▶ In combination with Suprabha VCI 512 Rustopowder, Suprabha DHF 555 Dehumidifier can be used for effective rust prevention for a period of 18-24 months.



Both these products are packed in ACT non oven fabric manufactured by Dupont. This pouch offers dust proof packaging and meets DIN 55473 specifications.

Code	Description	Applications	Special Features	Protection Period*
VCI 512 Rustopowder	Water/petrol insoluble powder conforming to IS - 5730	Ferrous and aluminium metals	<ul style="list-style-type: none"> Provides dry protection Contact with metal not necessary 	10-12 months
VCI 512S Rustopowder	Water / petrol insoluble powder conforming to IS-5730	Multi-metal protection	High efficiency VCI powder	12-15 months
VCI 513 Rustopowder	Water / petrol insoluble powder	Multi-metal protection	<ul style="list-style-type: none"> Provides dry protection Contact with metal not necessary 	10-12 months
VCI 514 Rustopowder	Water soluble powder	High efficiency Multi-metal protection	<ul style="list-style-type: none"> Provides dry protection Contact with metal not necessary 	12-15 months
VCI 552 Rustopowder Tablet	VCI 512 Rustopowder in tablet form (Wt 0.5gm)	For use in small packages	Small packs / components, internals of tubes etc.	12-15 months
DHF 555 Dehumidifier	Clay based Desiccant	For absorbing entrapped moisture inside the package	<ul style="list-style-type: none"> Absorbs moisture up to 85% of its weight Treatment for disposal not necessary 	

*1. Protection period can be extended by increasing the dosage

2. In case of larger packages, combination of VCI powder with dehumidifier is recommended

3. Please consult us in this regard



All statement, technical information and recommendation contained herein are based on tests we believe to be reliable, but the accuracy and completeness thereof is not guaranteed. Seller warrants product will be free from defects when shipped to user. Seller's only obligation shall be to replace within sixty days after the date of purchase, such quantity of product found defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the products. Before using user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer. The warranty offered in connection with the product is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose.



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