



VAPPRO VCI-PLASTAB VCI TABLETS

NATO STOCK NUMBER:
6850-32-078-6696

DESCRIPTION

Vapro VCI-Plastab is a unique flexible fused plastic of 0.5 inch square, into which a formulation of volatile corrosion inhibitors have been incorporated. The inhibitors through volatilization counteract the corrosive effects of humidity, salt and pollutants on packaged iron, steel, aluminum, copper and brass surfaces without compromising any of their mechanical or electrical properties.

DIRECTIONS FOR USE

Installation simply requires placing a Vapro VCI-Plastab in a plastic bag, container, box, etc containing the items to be protected. Vapro Plastab does not require an airtight enclosure to work. Plastic bags can be stapled closed or boxes may simply be closed as normal. The Vapro VCI-Plastab immediately begin to emit VCI molecules which saturate the enclosed airspace of the package and condense on metal surface.

Any humidity present on these surfaces combine with VCI molecules such that the water molecules are rendered incapable of supporting corrosion. The metal surfaces are thus passivated. Replacement VCI molecules are provided from the saturated airspace and Vapro VCI-Plastab. In this way, the metal surfaces are continuously passivated from the effects of humidity, salt and acidic atmospheres, alone or in combination.

SPECIAL FEATURES

- Cost effective
- Simple and safe to use
- Effectiveness not impaired by rough handling
- Available in sizes to fit packaging needs
- Protected items are always ready for use
- Protects multi-metals against corrosion
- The VCI molecules will not interfere with any subsequent processing... surfaces can be soldered, painted or used as is

APPLICATIONS

Protects iron, steel, aluminum, copper and brass surfaces.





PERFORMANCE TEST

Availability

Vapro VCI-Plastab
1/2" X 1/2" X 1/8"

Volume to be protected
¼ cu.ft

Accelerated Corrosion Test

Coupons of the following metals were sealed in .006" gauge plain polyethylene bags together with a Vapro VCI-Plastab.

Phosphor Bronze	(521)
Copper	(110-CR)
Aluminum	(6061-T6)
Brass	(260 soft)
Steel	(1010)

Coupons of these metals were also sealed in similar bags without Vapro VCI-Plastab. All bags were placed in a water fog chamber (ASTM-B-117-73) at 100oF (38oC), 95% relative humidity for 8 weeks.

Results :

Metal	Vapro plastab Protected Bag	Unprotected Bag
Steel	No corrosion	Severe corrosion
Aluminum	Reduced attack no pitting	Severe attack and pitting
Copper	Slight staining	Heavy attack
Brass	No tarnishing	Heavy discoloration and pitting
Phosphor Bronze	Slight staining	Heavy attack

Note :

Vapro Plastab passes the test for the corrosion inhibiting ability of VCI vapors as specified in Federal Test Method Standard 101B, Method 4031, including the exhaustion test procedure.

Shelf Life : 2 years (stored at 85°F or less)

Life Span In Use : Minimum 1 year

Handling : No special handling precautions required

AVAILABLE PACKAGING

- 1000 pcs per pack

Magna

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