

Vapour Corrosion Inhibitor (VCI) Plastic Technology



d₂p[®] VCI additives are a range of products to be used in the protection of surfaces offering inhibition against corrosion and metal oxidation of ferrous and non-ferrous materials



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Providing the first line of defence against corrosion

The Facts

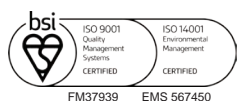
- Metal parts have the potential to corrode at any stage during manufacture, storage or transport.
- VCI reaches the metal surface and condenses to form a thin film of crystals. In the presence of even traces of moisture, crystals dissolve and immediately develop strong ionic activity.
- The corrosion-inhibiting compound migrates from the VCI packaging (paper, poly bag, foam emitter) into the packaging environment, while a thin layer of protection adheres to metal surfaces, reaching into recessed areas, holes, nooks and crannies.
- Symphony offers VCI plastic Masterbatches for the packaging of items prone to corrosion, rusting and oxidation for rigid and flexible plastic packaging materials.
- Extremely effective for all iron-based commercial finished or intermediary products: Steel, cast iron, metal plate, zinc, copper, copper alloys, soldered joints, aluminium, and aluminium alloys.
- Does not release smoke, fumes, vapour or gases during processing.
- It is based on a combination of food contact approved chemical compounds.

Great Performance of d₂p® VCI was achieved in the Institut Fur Korrosionsschutz Dresden using the K-test as per VW50164 with 2% addition rate.

The same high performance was achieved in tests carried out by Intertek.



Characteristics	Masterbatch Series 978XX
Composition	Plastic additive Masterbatch
Appearance	White pellet
Mechanism	Incorporated easily as a Masterbatch in the manufacture of the final product and does not alter physical, chemical or mechanical properties
Applications	Automotives, steel, metal processing, electronics, tyres, stored tools, parts inside bags, boxes, cupboards, etc.
Addition Rate	2-4% depending on application
Odour	None
Stability	Stable up to 350°C
Storage	Masterbatch should be stored in cool, dry conditions away from sources of UV light. Has a shelf life of 12 months from date of supply



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