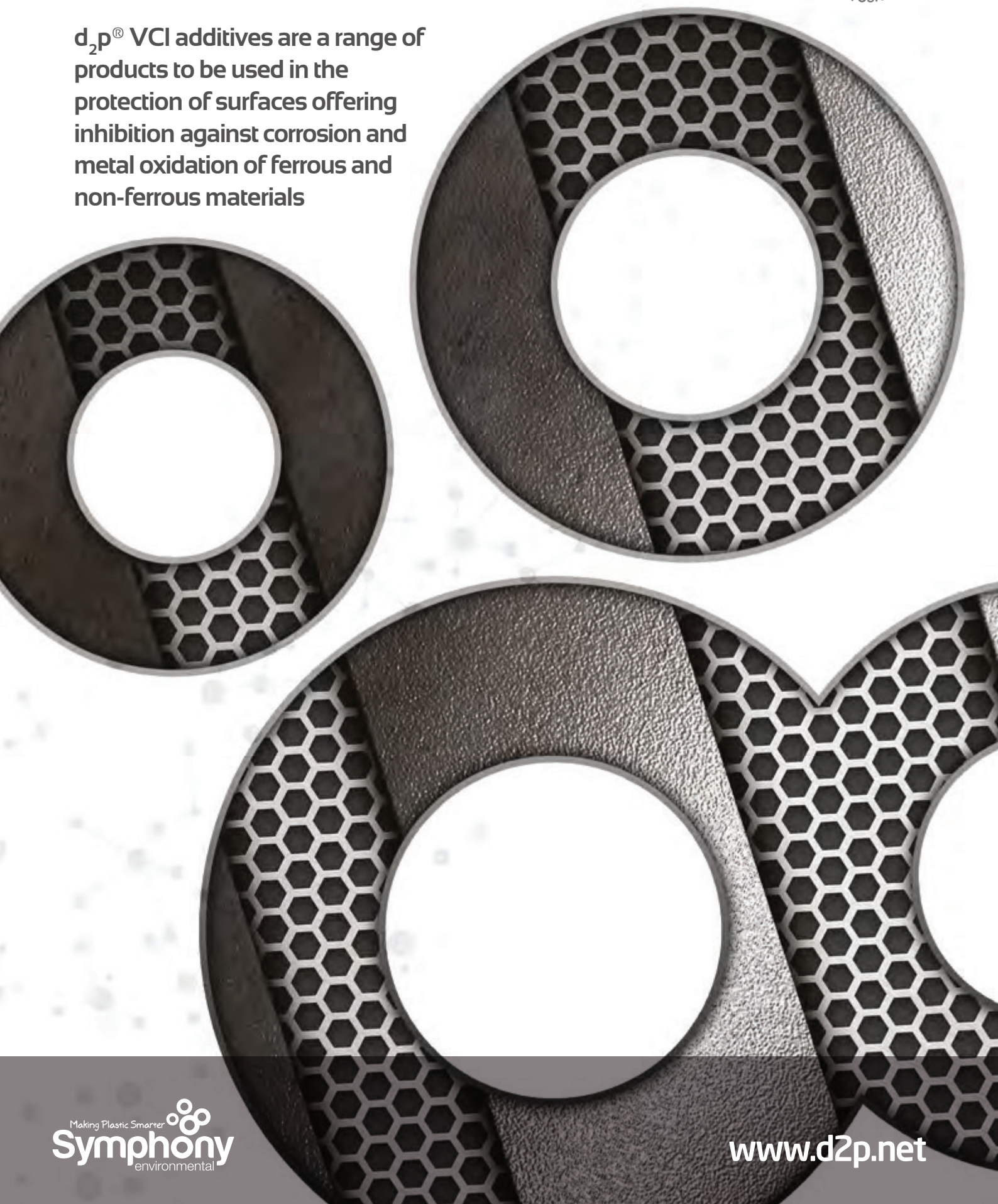


# Vapour Corrosion Inhibitor (VCI) Plastic Technology



d<sub>2</sub>p<sup>®</sup> 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



# Vapour Corrosion Inhibitor (VCI) Plastic masterbatch



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 d<sub>2</sub>p® 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
<b>Composition</b>	Plastic additive Masterbatch
<b>Appearance</b>	White pellet
<b>Mechanism</b>	Incorporated easily as a Masterbatch in the manufacture of the final product, and does not alter physical, chemical or mechanical properties
<b>Applications</b>	Automotives, steel, metal processing, electronics, tyres, stored tools, parts inside bags, boxes, cupboards, etc.
<b>Addition Rate</b>	2-4% depending on application
<b>Odour</b>	None
<b>Stability</b>	Stable up to 350°C
<b>Storage</b>	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



FM37939 EMS 567450

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