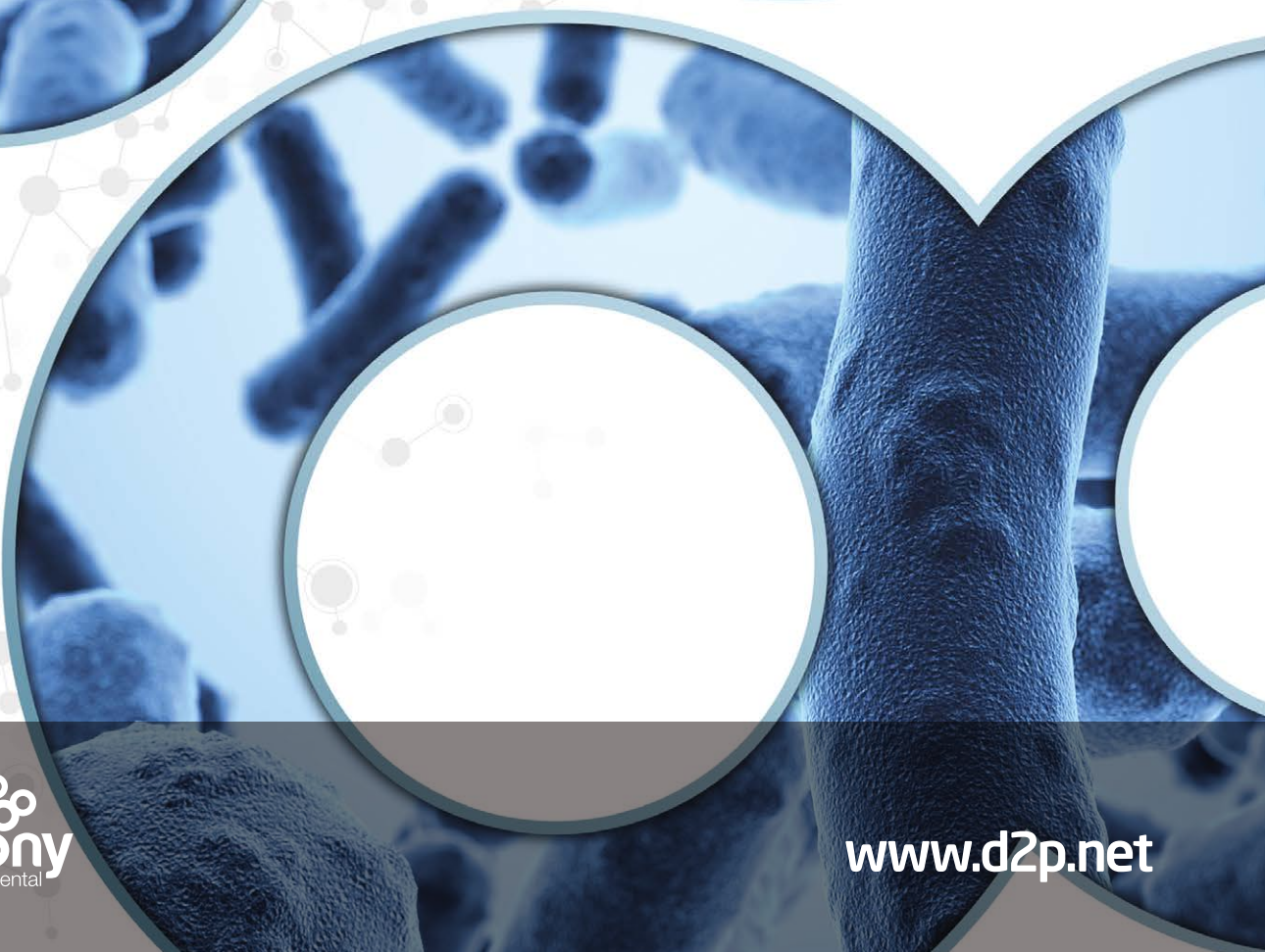
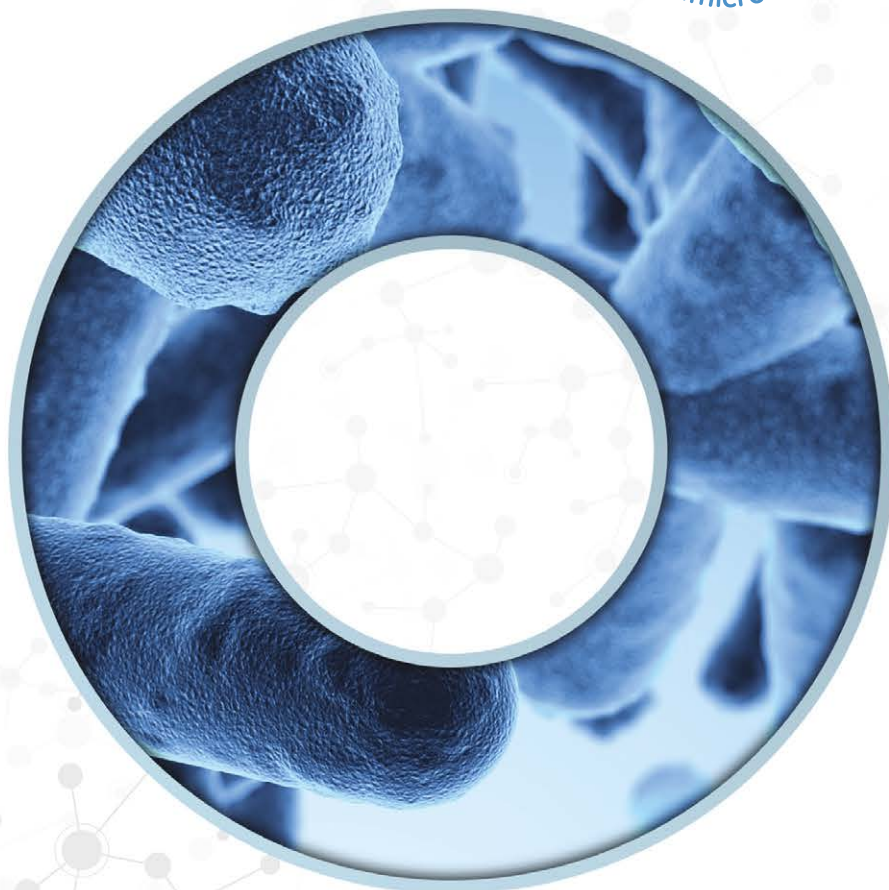


Antimicrobial

plastic technology



A family of additives offering cost-effective protection for plastic products and surfaces against bacteria and fungi. We are currently testing for viruses



d₂p[®] Antimicrobial



A family of additives offering cost-effective protection for plastic products and surfaces against contamination, staining, discolouration and odour caused by bacteria and fungi. Almost anything made of plastic or with a plastic coating could have d₂p[®] included at manufacture, at little or no extra cost.

d₂p[®] (am) 97000 series

The active ingredient is:

- registered with the US Environmental Protection Agency for a variety of uses as an antimicrobial additive in plastic materials, including indirect food-contact.
- listed under Art. 95 of the EU's Biocidal Products Regulation (528/2012) in PT 2, 6, 7, 9, 10 and 21.
- successfully tested according to ISO 22196-07 and ASTM D7907-14 (bacteria); ASTM G21-90 (fungi), and ASTM D5589-09 (algae).

d₂p[®] (ab) 96000 series

The active ingredient is:

- registered with the US Environmental Protection Agency for a variety of uses as an antimicrobial additive in plastic materials, including those that come into contact with food and drinking water.
- listed on the US Food & Drugs Administration's Inventory of Effective Food-contact Substance Notifications.
- listed under Art. 95 of the EU's Biocidal Products Regulation (528/2012) in PT 2, 4, 5, 7 and 9.
- successfully tested against gram-positive and gram-negative bacteria according to ISO 22196.

Compatible with PP, PE, PET, PS, PC, PVC and most other plastics.

Applications:

- Buildings: Plastic table-tops and worktops, plastic cladding of walls, ceilings & floors, ventilation and water pipes, paint, decking etc.
- Agriculture: Greenhouse films, irrigation pipes etc.
- Clothing and accessories: Wet suits, shoes, insoles, lab coats, face masks etc.
- Electronic: Keyboards, mouse and mats, cell phone cases, calculators, remote controls, touch screen devices.
- Miscellaneous: Garbage sacks and carrier bags, credit, debit, and membership cards, and plastic banknotes, rubber gaskets, travel trays, play pit balls etc.
- Sanitary: Toilet seats, shower heads, shower curtains, hand dryers, bed-pans, portable toilets, soap holders etc.
- Cosmetic: Shampoo and cosmetic containers.
- Sports: Insoles, ski boots, trainers, swimming pool mats, floats, knee-pads.
- Transportation: Car, tube, train, plane interiors.

Works at conventional processing temperatures, maintaining its effectiveness for long periods and with maximum stability during manufacture, storage and use. Customers get full support from Symphony's technical and marketing teams.



@ Symphony Environmental

Disclaimer: The information provided is general information. For specific applications, please consult our Technical Department. It is the customer's responsibility to obtain regulatory approval for the intended purpose in the country or countries concerned.

Symphony Environmental Ltd
6 Elstree Gate, Elstree Way, Borehamwood, Hertfordshire WD6 1JD, UK
Tel: +44 (0)20 8207 5900 | Fax: +44 (0)20 8207 7632 | info@d2w.net

www.d2p.net

Making Plastic Smarter
Symphony
environmental