

# Antimicrobial Technology



**A range of masterbatches offering cost-effective protection against contamination, staining, discolouration and odour.**

Almost anything made of plastic or with a plastic coating could have d<sub>2</sub>p AM added during manufacture.



# Antimicrobial Technology



The threat of infection has increased as we live in denser urban populations. d<sub>2</sub>p AM provides an extra layer of protection against transmission of microbes through contact with everyday items.

d<sub>2</sub>p AM fights healthcare and food industry infections helping to prevent the development of staining, discolouration and odour.

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

Successfully tested against Gram-Positive and Gram-Negative Bacteria.

Available for food and non-food applications.



## Adding Fragrance/Scent

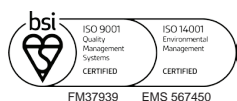
Fragrances/scents in plastics serve multiple roles, from enhancing consumer appeal to masking unpleasant odours. Scent-active substances can be directly added to the masterbatch as an additive or at first encapsulated to ensure slower release. The effectiveness of fragrance release depends on the type of polymer and the ambient conditions. Please contact us for more information.

## Applications:

- **Buildings:** Ventilation and water pipes, paint, roofing, wall cladding and decking etc.
- **Agriculture:** Greenhouse films, irrigation pipes etc.
- **Clothing and accessories:** Wet suits, shoes, insoles, lab coats, face masks etc.
- **Electronic:** Keyboards, mouse mats, cell phones and cases, calculators, remote controls, touch screen devices, refrigerators, washing machines, dishwashers and other electrical appliances
- **Miscellaneous:** Garbage sacks and long-life carrier bags, credit, debit, membership cards, hotel cards, and banknotes
- **Sanitary:** Toilet seats, shower heads, shower curtains, hand dryers, toothbrush handles, bed-pans, portable toilets etc.
- **Cosmetic products:** shampoo and cosmetic containers
- **Sports:** Insoles, ski boots, trainers, swimming pool mats, floats, knee pads
- **Transportation:** Car, tube, train, plane interiors.

May be used at conventional processing temperatures, maintaining its effectiveness for long periods, and with stability during manufacture, storage and use.

Antibacterial masterbatch technology successfully tested against common organisms including dangerous microbes such as MRSA, E. coli, Listeria, Klebsiella and Pseudomonas; according to ISO 22196:2011, JIS Z 2801, ASTM E2180 and ASTM D7907



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