

d₂p (am) anti-microbial plastic technology



d₂p (am) is a new product for protecting plastic articles. Its primary purpose is to prevent bacterial and fungal contamination, whilst preserving the aesthetic and functional properties of the plastic article.



www.d2p.net

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An anti-microbial technology using a non-silver masterbatch system developed to protect almost every type of plastic material against bacteria, fungi, moulds and algae.

The active ingredient in d₂p (am) is registered for use as an anti-microbial with the US Environmental Protection Agency (EPA) and notified under the EU's Biocidal Products Regulation (BPR-EU-no. 528/2012). The anti-microbial masterbatch itself is currently registered in the United Kingdom, Germany and Italy, and registrations are in progress in other countries. The EPA label allows certain applications to prevent microbial contamination, and deterioration in a wide variety of manufactured articles (treated articles), and in their precursor materials in contact with food and drinking water, and in non food-contact applications. It has bacteriocidal, fungicidal, mildewicidal and algaecidal properties.

Food-contact uses include food-preparation surfaces made from a variety of plastics for the control of fungi and bacteria causing stain, odour, or product degradation.

Successfully tested against:
Gram-Positive and Gram-Negative Bacteria, Fungi, Moulds, Mildew, Yeasts and Algae.

The information provided is general information. For specific applications please consult Symphony's Technical Department.

d₂p (am) can be used in a variety of applications such as:

- Buildings: (ventilation and water pipes, paint, roofing, wall cladding and decking, tubing, piping, etc)
- Agriculture (greenhouse film, irrigation pipes etc)
- Clothing and accessories (wet suits, shoes, lab coats, face masks, etc)
- Credit/debit/membership cards, banknotes
- Electronic (keyboards, mouse mats, cell phone cases, calculators remote controls, touch screen devices, etc)
- Garbage sacks and long-life carrier bags
- Sanitary (toilet seats, shower heads, shower curtains, hand dryers, sponges, toothbrush handles, bed-pans, portable toilets, etc)
- Cosmetic products (shampoo, etc)
- Sports (ski boots, trainers, insoles, mats, floats, knee pads)
- Transportation (car interiors, tube, train, plane)

d₂p (am) is a reliable technology which has been tested by independent laboratories using international standard testing methods such as:

- ISO 16869:2008, ASTM G21-09 and ASTM E 2180 – anti-fungal testing
- SO 22196:2011 and JIS Z 2801 – anti-bacterial testing
- ASTM D 5589-09 and prEN WD_algae – anti-algae testing

Supplies of d₂p are conditional upon regulatory approval for the purposes concerned in the country or countries concerned.

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