



at a glance

The addition of d₂w turns ordinary polymer (at the end of its useful life and in the presence of oxygen) into a material which is biodegradable in the open environment.

d₂w is a masterbatch that is added to polymer during manufacture. It offers seamless integration into the manufacturing process and is added at only 1%, which means little or no extra cost. d₂w can be made in existing plastic factories, with their existing workforce and machinery. d₂w meets all the relevant international standards, with proven performance in terms of degradation, biodegradation and eco-toxicity - i.e. British Standard 8472, ASTM D6954, UAE 5009:2009, AFNOR AC T51-808 and SASO Standards.

d₂w has the same characteristics as conventional polymer. It is waterproof, lightweight, strong and flexible. There is no need to change suppliers – Symphony works with the customer's existing manufacturer to upgrade their production. d₂w is suitable for food contact according to FDA & EU food contact regulations.

d₂w can be recycled with conventional polymer and it can be made from recycle.

d₂w has the crucial advantage that if it escapes collection and ends up in the open environment as litter, it will degrade and biodegrade until there is nothing left, in the same way as nature's waste, only quicker and leaving nothing behind.

No Toxic residues and No Microplastics

Several countries in Africa, Asia and the Middle East have already legislated to require everyday plastic items to be made with oxo-biodegradable (controlled-life) technology, because it works.

d₂w products include:

- Bin liners
- Bottles, tubs and cups
- Bubble wrap
- Carrier bags
- Cling film
- Food packets
- Frozen food packaging
- Garbage sacks
- Gloves and aprons
- Newspaper and magazine wrappers
- Paint ball spheres
- Pallet wrap
- Parachutes
- Shrink wrap

