



Exel® Biodegradable Mop Socket

New biodegradable Exel® mop socket from Robert Scott – sustainable by design.

Robert Scott has introduced the first biodegradable mop socket in the cleaning industry. By adding the BioSphere® additive to our Exel® sockets, we're helping reduce plastic waste by ensuring each socket can safely biodegrade at the end of its life.

How it works

The BioSphere® additive is blended into the socket's plastic during manufacture.

When the mop is discarded, microbes in managed landfill environments are naturally attracted to the treated plastic. They break down the polymer chains and convert them into water, CO₂, methane and organic matter – not microplastics.

Testing & compliance

Biodegradation performance is independently tested by Eden Laboratory Research in accordance with ASTM D5511, the recognised standard for anaerobic landfill simulation. After 12 months, testing has shown 29.6% biodegradation, with long-term tests ongoing.

This technology is not using an oxo-degradable additive or oxo-degradable technology, and complies with current UK and EU regulatory requirements.

Environmental Impact



- Reduces long-term landfill waste
- Maintains full strength and recyclability
- Non-toxic and safe for manufacturing
- Aligns with sustainability targets for commercial cleaning operations

Operational performance

BioSphere® does not affect product performance, durability or shelf life. The mop socket retain full strength and functionality throughout its working life and is safe for use in commercial cleaning environments.



Designed to biodegrade under anaerobic landfill conditions.

Scan to view ASTM D5511 results.

Sustainability credentials

This innovation recognises the realities of commercial waste streams, where contamination and regional variation can prevent recycling. By combining reuse, recyclability and landfill biodegradability, Robert Scott is helping customers reduce long-term plastic impact while maintaining hygiene, safety and value for money.



To place an order, ask for a sample, request a quote or arrange a demo please call **01457 819400**, email **info@robert-scott.co.uk** or visit **robert-scott.co.uk**.