



# Planter Protect Ltd

Bespoke Planter Inserts

## Sustainability & Environmental Statement

### **Purpose**

This Sustainability & Environmental Statement outlines the environmental considerations associated with bespoke GRP / PET resin waterproof planter inserts manufactured for architectural applications.

The document is intended to support early-stage specification, design development and sustainability discussions. It does not replace a formal Environmental Product Declaration (EPD) or third-party certification, but provides transparent information to assist informed decision-making.

**PET Resin  
ZERO Packaging  
Return & Repurpose  
ZERO Emission Delivery**



## **Material Composition & Resource Use**

The planter inserts are manufactured using GRP incorporating PET resin.

PET resin is widely used in applications that support the reuse of existing plastic material streams and offer a durable alternative to traditional construction materials.

Material selection prioritises performance, durability and long-term service life, supporting reduced replacement cycles and lower material use over the life of a project.

The use of PET-based materials contributes to reduced reliance on traditional construction materials and supports broader waste-reduction and resource-efficiency objectives.

## **Weight Reduction & Material Efficiency**

GRP / PET resin planter inserts are significantly lighter than traditional planter construction methods such as:

- Cast concrete
- Masonry-lined planters
- Solid metal planter systems

Weight reduction offers several environmental and project benefits:

- Reduced structural loading requirements
- Lower material volumes in supporting structures
- Improved handling efficiency during installation
- Reduced embodied impacts associated with heavy construction materials

## **Durability, Longevity & Replacement Cycles**

The planter inserts are designed to be:

- Fully waterproof
- Root resistant
- Resistant to common planting media, fertilisers and moisture exposure

When correctly specified, installed and maintained, GRP / PET resin planter inserts offer long service life, reducing the frequency of replacement and refurbishment compared to less durable liner solutions.

	<p>Extended service life contributes to:</p> <ul style="list-style-type: none"> <li>● Reduced material consumption over the building lifecycle</li> <li>● Lower waste generation</li> <li>● Improved whole-life environmental performance</li> </ul>
<p><b>Transport &amp; Installation Efficiency</b></p>	<p>The lightweight nature of GRP / PET resin planter inserts contributes to transport efficiency:</p> <ul style="list-style-type: none"> <li>● Reduced transport loads compared to heavy planter systems</li> <li>● Improved packing efficiency</li> <li>● Easier on-site handling with reduced reliance on mechanical lifting</li> </ul> <p>These factors can result in lower transport-related emissions and reduced on-site energy use.</p>
<p><b>End-of-Life Considerations</b></p>	<p><b>Return &amp; Repurpose Service</b></p> <p>Where available, Planter Protect Ltd offers a <b>Return and Repurpose service</b> for planter inserts removed at end of life or during refurbishment.</p> <p>This service aims to:</p> <ul style="list-style-type: none"> <li>● Divert material from landfill where feasible</li> <li>● Enable reuse or repurposing of viable components</li> <li>● Support circular-economy principles</li> </ul> <p><b>Disposal</b></p> <p>Where return or repurposing is not chosen, although it is highly recommended, planter inserts should be disposed of in accordance with local regulations.</p> <p>At present, end-of-life routes may include landfill where suitable recycling facilities are not available. Where facilities exist, recycling routes for GRP / PET-based materials should be explored.</p>


## Alignment with Sustainability Frameworks

While this product does not itself provide certification credits, the information outlined in this statement may support project sustainability objectives, including:

- Reduced material impacts
- Improved durability and lifecycle performance
- Waste reduction strategies

This information may assist design teams working toward standards such as BREEAM, WELL or client-specific ESG requirements.

## EPD - Environmental Product Declaration

An Environmental Product Declaration (EPD) is available on request or via  EPD International

## Contact

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