



IMPERMITEK

Advanced Seamless Technologies

PLANT BOX WATERPROOFING

Case Study

Project Type:

Interior Waterproofing

System Installed:

IR-26 Polymer Resin

Project Size:

250 Square Feet

Sector:

Commercial

Location:

Logan, Utah

Authorized Installer:

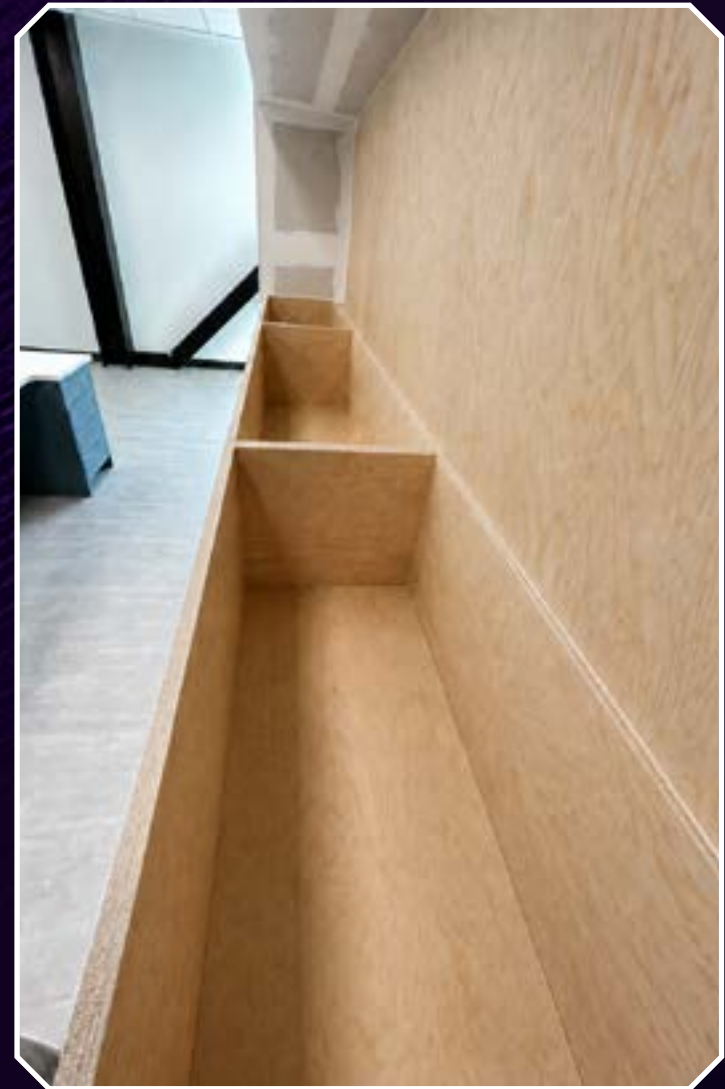
ExterPro



PROJECT INTRODUCTION

A commercial property in Logan set out to transform an interior architectural feature into an inviting green space that would improve the appearance and overall experience of the office environment. Before plants, soil, and irrigation could be introduced, the custom-built planter box required dependable waterproof protection capable of safeguarding the surrounding interior finishes and supporting the space for years to come.

Imperitek's Authorized Contractor ExterPro was selected to install the waterproofing solution across the 250-square-foot planter box. The project called for a seamless, fully adhered waterproofing solution that could be installed efficiently, conform to complex geometry, and provide durable long-term protection with minimal ongoing maintenance. IR-26 was well suited for the application because its cold-applied, liquid technology can form a continuous waterproof barrier without the laps, seams, or welds that can become vulnerable points in conventional sheet systems.



PROJECT CHALLENGES

The client wanted more than a functional planter. The goal was to incorporate a substantial interior green space that would make the office feel more welcoming while adding a distinctive design element. That vision placed significant importance on the waterproofing assembly: once the planter was completed and landscaped, access to the underlying substrate would be limited, making long-term reliability a critical requirement.



The geometry of the planter created several technical detailing challenges. Multiple compartments, perimeter transitions, inside corners, 90-degree vertical upstands, and changes in plane all required careful treatment to create a continuous waterproof envelope. These are precisely the areas where traditional membranes can become difficult to form, terminate, or seal effectively.

Project timing was another priority. Because the work was taking place within an active commercial interior, the client wanted a system that could be installed quickly and with minimal disruption to office operations. They also wanted a finished waterproofing system that would not require complex maintenance procedures or specialized day-to-day oversight from facility personnel.

THE IMPERMITEK SOLUTION

Impermitek systems are designed for complex applications, including planters and green-roof environments, where a seamless and fully bonded membrane can provide a major advantage around transitions and difficult-to-detail areas.

The planter box was framed with plywood and dimensional lumber, creating the substrate for the waterproofing assembly.

Exterpro began by addressing the most critical details first. Perimeters, inside corners, vertical upstands, transitions, and 90-degree changes in plane were reinforced and waterproofed before the field areas were completed. The full IR-26 liquid-applied membrane was then installed using continuous polyester reinforcement, allowing the system to conform closely to the planter geometry and create a reinforced, seamless waterproof layer throughout the assembly.



The liquid-applied approach simplified the treatment of the planter's complex shapes and eliminated the need to rely on numerous sheet-membrane seams at corners and transitions. Because IR-26 is cold-applied, installation required no hot works, helping reduce risk and disruption inside the commercial space. Its fast-
Its fast-installation characteristics also helped Exterpro complete the waterproofing efficiently so the client could continue progressing toward the finished interior landscape.

The completed application provided the client with a durable waterproof foundation for the new green space while preserving the clean architectural intent of the office. Exterpro delivered a precise installation across the planter's challenging details, and the client was able to move forward with its interior landscaping vision with confidence in the protected assembly below. The result demonstrates how Impermitek's reinforced liquid-applied technology can turn a technically demanding interior waterproofing condition into a practical, long-term solution with reduced lifecycle maintenance requirements.

