



INDUSTRIAL CASE STUDY

WATERPROOF LINING FOR LANDSCAPE DESIGN



APPLICATION

Landscape architecture is a beautiful part of modern life. It is often on display in office complexes, public parks, city squares, college campuses, almost everywhere people work and live. Part of the scope of landscape architecture concerns infrastructure and management of parks and greenspaces - like this urban garden.

One this particular courtyard in Europe, large concrete planters were leaking water into an underground car park directly underneath the garden. The existing bituminous waterproof lining was rapidly failing and a more permanent solution was needed.

SOLUTION

Before any improvements could be made, the existing bitumen liner had to be completely removed. Then the concrete was thoroughly cleaned and ready for a new waterproof solution.

The landscape architects chose a polyurea coatings system from LINE-X. LINE-X coatings are sprayed at high temperature and high pressure to form a seamless durable coating that is dry to the touch within seconds.

Utilising both a pure and aliphatic polyurea technology, LINE-X applicators completely sealed the concrete creating a seamless waterproof membrane. Then, another layer was added to the interior and exterior of the planter as an additional water barrier and aesthetic finish.

RESULTS

With the LINE-X coating in place, rainwater stopped leaking through the concrete planters into the parking garage below. The final result was a completely watertight seal that will prevent future water ingress and subsequent leaks.

The LINE-X coating not only sealed the concrete, it also gave the planter increased durability and resistance to extreme weather conditions. LINE-X coatings are strong enough to withstand impact damage but remain flexible to expand and contract with the concrete as the temperature changes. This planter is ready to be admired for years to come.

Project Overview: Waterproof Liner For Residential Concrete Planters Above Underground Car-park

Products Used: LINE-X XS-350; LINE-X XS-100, ASPART-X Clear Coat

Case Study Provided by: LINE-X Romania

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