

# INDUSTRIAL CASE STUDY

## WATERPROOF LINING FOR LUXURY HOT TUBS



### SITUATION

Hot tubs have been popular at spas and hotels over 50 years, and now many people own them at home. A survey by Lloyds Insurance found that 1 in 10 UK citizens own an outdoor hot tub; that equates to over 2.6 million privately owned hot tubs in the UK alone.

Luxury wooden hot tubs are in vogue across Europe, but some manufacturers have difficulty keeping them watertight. Fibreglass and plastic liners are most often used to line the tubs, but these are easily damaged during transit or with consistent use, which often leads to water leakage. One manufacturer faced this issue and needed a long-lasting solution to keep their tubs watertight.



### SOLUTION

The manufacturer chose LINE-X XS-350 as the best solution to waterproof their hot tubs. XS-350 is a spray-applied pure polyurea that is impervious to water. LINE-X XS-350 can be spray-applied and sets in mere seconds (which allows for faster production times), has elastomeric properties which prevents fractures and cracking and is available in a range of colours; all benefits that made it a better choice than fibreglass and plastic liners. The hot tubs were first prepared by flame-removing loose wood fibres and splinters ensure the surface would be completely smooth, and then the interior was primed with Mastertop 617. When the primer had cured, LINE-X XS-350 was spray-applied.



### RESULTS

The manufacturer was delighted with the LINE-X application. The application was incredibly fast and provided a resilient waterproof barrier. The LINE-X coating will not crack or split in transit, on impact, or from wear.

The manufacturer also benefitted from no longer having to hold an inventory of liners, as LINE-X can be applied as each hot tub is made in the customer's choice inhouse or at dealership locations with LINE-X spraying equipment, saving them significant time and money.

**PROJECT OVERVIEW:** Waterproof Membrane For Wooden Hot Tubs

**PRODUCTS USED:** LINE-X XS-350; Mastertop 617 Primer

**CASE STUDY PROVIDED BY:** LINE-X Baltics



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