

INDUSTRIAL CASE STUDY

SEAMLESS FLAT ROOFING MEMBRANE



SITUATION

A factory roof in Cyprus had major issues with water ingress, causing numerous problems internally inside the building.†

The roof was previously covered with bitumen, a type of asphalt commonly used for flat roofs. Bitumen can breakdown prematurely in fluctuating climate and weather conditions. In the heat of the summer months, the bitumen had cracked along the joints allowing the rainwater to seep through the existing membrane. Moreover, bitumen tends to absorb rather than reflect heat which can superheat the building below.

A long-lasting solution was needed to re-waterproof the roof.

SOLUTION

Instead of resurfacing with another traditional roofing material, a high-performance polyurea coating from LINE-X was chosen as the replacement waterproof membrane. LINE-X XS-101, backed with E-tag 005 part 6 certification, is proven to perfectly seal roofs from water ingress.

The previous bitumen was removed, and the area was completely cleaned and prepared prior to priming with Master-top P617 and quartz sand.†

White XS-101 was then applied to completely seal the roof. A white top-coat was applied after the XS-101 to ensure UV stability.†

RESULTS

The customer was delighted about how fast the application was completed. The fast dry-time of XS-101 allowed a very fast turn-around time compared to traditional liquid roofing methods.†

With 400% elongation properties, the customer can be confident the LINE-X membrane will not crack or split with the expansion and contraction of the building during the changing temperatures.†

PROJECT OVERVIEW: Waterproof Roofing Membrane

PRODUCTS USED: LINE-X XS-101, Mastertop P617 Primer, UV Stable Top Coat

CASE STUDY PROVIDED BY: LINE-X Cyprus



WWW.LINEXAUS.COM.AU