



## INDUSTRIAL CASE STUDY

# MODERN NOAHS ARK - WATERPROOFING



## APPLICATION

This 'modern day Noah's Ark' is powered by recycled batteries from pre-owned Electric Vehicles and has been created to help accommodate people during torrential storms and flooding. The structure is made of wood, which would potentially degrade in water, not to mention the potential damage from fast-moving debris in raging flood waters or sharp terrain unseen under the torrent.

The client was looking for a lining that could protect the wood from water and mitigate the potential impact damage that can occur in flooded waters.

## SOLUTION

LINE-X XS-350, a very versatile polyurea, was chosen to protect the exterior of the Ark from impact damage whilst offering a seamless waterproof membrane.

All dust and debris were removed, any imperfections were lightly sanded, then a final removal of all wood dust, before priming the wood with a nureloc primer. Once the primer had cured, XS-350 was sprayed within the specified time-window.

## RESULTS

While no apocalyptic floods have put this Ark to the test, the addition of an impact resistant, waterproof LINE-X coating means this floating shelter is ready for anything.

With the success of this application, more Arks will be built and sprayed with LINE-X to help people stay safe during natural disasters.

**Project Overview:** Waterproof a Modern Day Noah's Ark

**Products Used:** LINE-X XS-350, NURELOC PRIMER

**Case Study Provided by:** Japan Homeland Security

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