



Field Report

Customer / Project information North Cornwall District Council - Fish Ponds

Project Overview



To provide a waterproof lining to fish ponds.

Industrial Customer

Bridge Mill Engineering / North Cornwall District Council

Project Location

Bodmin, Cornwall

Applicator

LINE-X Cornwall
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Lining Formulation

LINE-X Aquaurethane Rapid, 100% Solids Polyurea Sprayed-On Lining system.

Lining Application System

Graco EXP2, Heated, High Pressure With Fusion Gun.

Substrate

Resin coated concrete render



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Situation Overview:

These fish ponds were leaking & required lining, Being prone to attack from vandals throwing bricks etc into the pond the liner had to withstand a lot of abuse. Also due to the Koi Carp being kept in small temporary tanks a fast turnaround was essential.

The Solution

LINE-X Aquasurethane Rapid (CFC VOC & Solvent Free) was chosen as its certified for use as potable water containment.



The ponds were emptied, pressure washed & allowed to dry. The substrate was then scuffed up using wire cup brushes to get a key.

LINE-X SF5-15 (CFC, VOC & Solvent Free) Primer was applied to help promote adhesion for the Aquasurethane Rapid which was then sprayed to a minimal thickness of 3mm.

The job was completed in 10 hours & due to the fast set & cure times (tack free between 3-5 seconds full cure hardness in 24 hours) the ponds were filled & the Koi Carp replaced the following day. LINE-X Aquasurethane Rapid exhibits high tensile, impact, tear & elongation properties withstanding the everyday abuse from the local youths as well as maintaining the waterproof lining should ground movement occur.

