

VESSEL REFURBISHMENT

WATER TUNNEL – DEFENCE ACADEMY

We were asked to line a vessel for the purpose of testing underwater craft, which was definitely a first for us. It was described as a wind tunnel for submarines, you just replace the wind with water and there you are.... so that's clear then!

What we clearly understood is that due to the tank being custom made firstly it may leak through some of the joints and being mild steel would of course rust.



The vessel was manually prepared using grinders to keep the dust to an acceptable level and then solvent wiped to ensure all contaminants were removed.

All sensitive areas such as exposed bolt thread and glass were taped and covered. The joints, bolt heads etc., were stripe coated which is a procedure of applying resin to awkward areas prior to applying the lining system to ensure complete coverage.

The first coat of Chemi-Tech EP epoxy was then applied to all prepared areas and left to cure overnight. Focus was placed on the joints again to ensure that all possible failures in the weld were completely covered. All masking tape was removed and the tank was inspected and spark tested.

Once this was done a further coat of Chemi-Tech EP was applied to all coated areas. This was again left to cure overnight.



The project was carried out with no complications and to the complete satisfaction of the client.

Please contact us on 08701 650900 for further information on our services.