

Belzona System to Header Box internal & External Coating

ID: 10224

Industry: *Other* Customer Location: *Birmingham*
Application: *HEX-Heat Exchangers* Application Date: *March 2026*
Substrate: *Cast Iron*
Products: *Belzona 1341 (Supermetalglide), Belzona 5811 (Immersion Grade)*

Problem

The customer approached Belzona's UK Distributorship to provide a quotation for the internal and external application of Belzona systems to a two-piece header box assembly. Reinstating any minor internal pitting and restore the surfaces to their original profile. Following this preparation, a two-coat application of Belzona 1341 will be applied to all internal 'wet' surfaces.



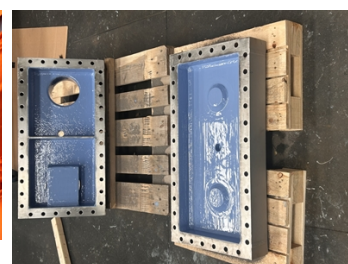
The header box delivered to Belzona UK's training and application facility



Areas are masked off and surface is grit blasted to minimum surface profile



First coat of Belzona 1341 is applied



Two coat solution of Belzona 1341 is applied, completing the repair solution

Application Situation

Internal pitting inside the header box bringing back to surface profile and restore the surfaces to their original profile. External weld areas also required filleting to bring back to profile and create a smooth finished application. The external was also to be coated using Belzona 5811 to provide long-term corrosion protection

Application Method

Grit blasting surfaces to minimum surface profile, two coats of Belzona 1341 was applied to the internal of the header box. To cover weld areas on the external of the box, weld areas were filleted with Belzona 1111, then two coats of Belzona 5811 were applied to the external of the boxes.

Belzona Facts

This solution offered long term protection both internally and externally, saving on long-term maintenance costs and increasing efficiency by up to 7%.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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