

CORROCOAT



Case study: Fluid efficient coating of a pump casing

Fluiglide treatment of the internal surfaces of a 14/12 hsc pump.

Client

Major pump manufacturer.

Application date

October 2007.

Scope of work

Chamfer split faces and flanges and prepare casing ring lands.
Blast and coat internally with fluid efficient coating.
Cast in ring lands.

Products

Corroglass 600 series.
Plasmet ZF.
Fluiglide.

Internal coating system

Grit blasted internally to ISO 8501 - Cleanliness Standard SA 2½.
Coated internally using Corroglass 600 Series to a minimum 750 DFT.
Thickness checked.
Spark tested at 9.5 Kv.
Single coat of Fluiglide applied.

External coating system

Grit blasted externally to ISO 8501-1 – Cleanliness Standard SA 2 and applied one coat of Plasmet ZF.

Coating credentials

Fluiglide has been applied to thousands of pumps world wide, achieving significant improvements in efficiency.
Fluiglide offers both increased efficiency levels and an effective corrosion barrier. Typical efficiency improvements of 4-6% are achieved using Fluiglide (subject to design and operational parameters).

Photographs

Left: [Pump casing as received.](#)

Middle: [Internals coated prior to ring land casting.](#)

Right: [Pump fully re-furbished.](#)