BELZONA®
1341
SUPERMETALGLIDE

The Cost Effective Approach to Preventing Erosion-Corrosion and Maintaining Fluid Flow

Energy losses due to the effects of viscous drag and surface roughness, accentuated by erosion-corrosion effects, can be reduced by the application of a protective coating to the surfaces of fluid handling equipment.

Conventional coatings, however, have severe limitations:

- Many fail to give a smooth surface.
- Poor rheology leads to excessive film thickness which will affect flow characteristics.
- Insufficient resistance to erosion-corrosion attack.

In contrast, the unique hydrophobic nature of the Belzona® 1341 system makes water simply roll off. Wear by abrasion is minimized by its encapsulated blend of lubricating and abrasion resistant fillers.When applied to fluid flow equipment, Belzona® 1341 can reduce power consumption, increase efficiency, lower maintenance costs, and improve hydrodynamic performance.

Belzona® 1341 is suitable for contact with potable water. It is certified to ANSI/NSF Standard 61, and satisfies the U.K. Drinking Water Inspectorate requirements.


NEW PUMPS


FILTERS AND STRAINERS


TURBINE RUNNERS


MULTI-STAGE PUMPS


MARINE COMPONENTS


VALVES

The Unconventional Alternative.

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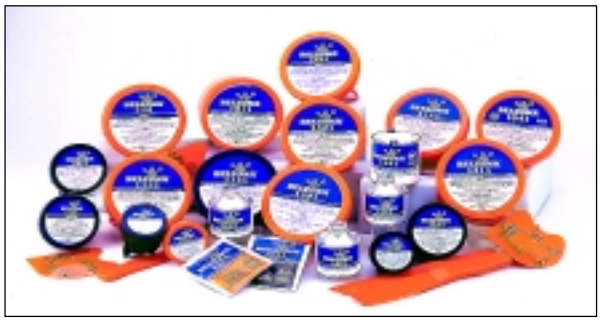
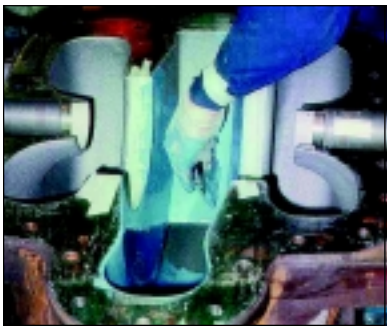
BELZONA®

BELZONA® 1341

SUPERMETALGLIDE



BELZONA® 1000 SERIES METALLIC POLYMERS



User Friendly Characteristics

- Can be brush or spray applied to give a perfectly smooth, high gloss finish.
- Long working life after mixing.
- Overcoating time of up to 24 hours (at 10°-30°C) after application.
- Color differentiated formulations plus computer designed product rheology allow two coats to be applied at correct film thickness-very important to ensure no change to fluid flow characteristics of equipment while still enhancing efficiency.

Cost Savings in Fluid Flow

- Independent tests show a typical 6.7% reduction in pump power consumption without changing pump characteristics.
- Increased output from hydro-electric turbine systems.

Improved Hydro-Dynamic Performance

- Achieved because controlled film thickness allows fluid velocity to be enhanced without inducing turbulence.

Reduced Maintenance Costs in Erosion-Corrosion Situations

- Tests show superior cavitation and entrainment resistance when compared with normal metal filled epoxies and glass flake linings.

Outstanding Adhesion to the Substrate

- Up to 3,500 psi (245kgs/cm^2) on grit blasted mild steel.

Good Temperature Operating Range

- Can be brush or spray applied to give a perfectly smooth, high gloss finish.

Suitability for Contact with Potable Water

- Certified to ANSI/NSF Standard 61.
- Satisfies U.K. Drinking Water Inspectorate requirements with regard to Water Supply Regulation 25.

Suitability for Use on New or Existing Equipment

- Severely worn or pitted areas on fluid handling equipment previously in service can be restored to original profile using Belzona® 1111, a machinable ceramic steel filled repair compound, before being treated with Belzona® 1341.

BS EN ISO 9002 - 1994
Certificate No. Q/09335

Certified to ANSI/NSF Standard 61

U.K. WFBS LISTED

Certificate No. 95-HU9719-X

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