



# BELZONA® 1321

C E R A M I C S - M E T A L

## For Protection of Metal Surfaces Subject to Erosion-Corrosion

Corrosion occurs when metal surfaces react with oxygen in the presence of water to form protective oxide films. These protective films are then removed by physical erosion such as the abrasive action of turbulent fluids.

This cycle of corrosion and erosion continually repeats itself, giving rise to the phenomenon of erosion-corrosion, which can be accelerated by:

- Impingement
- Entrainment
- Cavitation
- Bi-metallic corrosion

Erosion-corrosion produces rapid eating away of metal surfaces causing deterioration in performance/efficiency of machinery and equipment.

Based on corrosion resistant ceramic steel particles held in a chemically reacting liquid polymer, Belzona® 1321 provides outstanding protection for metal surfaces subjected to erosion-corrosion. It has received worldwide acceptance by such bodies as:

- Det Norske Veritas
- Bureau Veritas
- British Coal
- American Bureau of Shipping
- York International
- Italian Register of Shipping
- UK Water Research Council
- Conoco
- Chevron
- Imperial Tobacco



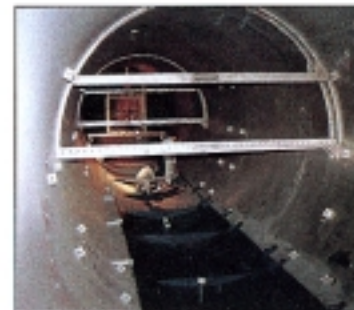
CENTRIFUGAL PUMPS



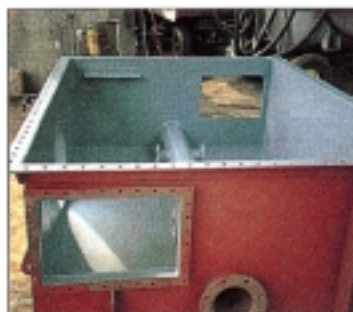
VALVES



VACUUM PUMPS



PROCESS TANKS



GAS SCRUBBERS



HEAT EXCHANGERS

## The Unconventional Alternative.

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