# BELZONA® 4341

## For Elevated Temperature Protection From Inorganic Acids

Inorganic acids are one of the major corrosive agents in common usage within industry. Whether it is primary or secondary containment or splashing and spillage during handling or processing, most metal and masonry surfaces will be rapidly degraded by contact with these chemicals.

**NOW**

Belzona® 4341 extends Belzona's range of problem solving materials to areas operating at higher temperatures, and with post-cure, will provide unrivalled protection to inorganic acids at elevated temperatures.

For optimum performance post-cure should be carried out prior to the coating being put back into service, but for many applications the unique chemistry of this outstanding product allows in-situ post-cure to be undertaken.

By utilizing a totally novel tertiary cure acid catalysable resin system, exposure to inorganic acid leads to additional cross-linking of the polymer matrix. This forms a water and acid impermeable barrier at the coating surface. Add to this the careful selection of acid resistant fillers which bond and pack tightly within the densely crosslinked polymer chains and it can be seen why Belzona® 4341 is the material of choice for elevated temperature applications involving contact with mineral acids.

PUMPS

PLINTHS

CHANNELS

CONTAINMENT AREAS

PROCESS EQUIPMENT

SUMPS

## The Unconventional Alternative.

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BELZONA®

# BELZONA® 4341

BELZONA® 4000 SERIES MAGMA POLYMERS

## Simplicity in Use

- No special skills or equipment required.
- Easily applied by brush or applicator.
- Seamless monolithic finish.
- Available in seperate colors for easy identification when applying the system.

## Safety in Use

- Solvent free.
- No fire risk.

## Inspection

- Spark testable for holidays, pinholes and coating application defects.
- Accidental mechanical damage and application defects easily repaired.

## Versatility in Application

- Permanently bonds to almost any rigid surface including metals, concrete, fiberglass, brick, tile and glass.

## Performance in Service

- Excellent resistance to inorganic acids including:
  - 75% Sulphuric acid up to 90°C (194°F)
  - 98% Sulphuric acid up to 60°C (140°F)
  - 36% Hydrochloric acid up to 60°C (140°F)
  - 40% Phosphoric acid up to 60°C (140°F)
  - 40% Nitric acid up to 20°C (68°F)

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