



**BELZONA®**  
**1811/1812**

**Providing Outstanding Protection  
Against Abrasive Attack**

Abrasion is a major problem faced by many industries. Whenever particulate matter impinges upon or slides over a surface, wear problems are to be expected.

Belzona® 1811 and Belzona® 1812 are highly specialised composites combining extremely hard closely packing abrasion resistant materials in a polymeric binder. They are used to repair, protect or modify equipment subjected to particulate abrasion and erosion.

Belzona® 1811 has, for many years, been providing solutions to many of these wear problems and has a highly successful track record particularly with coarse abrasive media such as pulverised fuel.

For situations involving fine particle erosion, such as in cement manufacture, or where there is a risk of bridging or hold-up, Belzona® 1812 has been developed. Belzona® 1812 uses new generation resin technology to enhance the close packing of a unique abrasion resistant filler system. This creates a smoother but highly durable composite capable of being applied in thinner layers, providing greater opportunities to modify profiles and improve flow.

Belzona® 1811 and 1812 are suitable for use on a wide variety of equipment including :-

- Cyclones
- Hoppers
- Nozzles
- Deflector plates
- Centrifuges
- Impellers
- Chutes



VALVES



PUMPS



SCREW CONVEYORS



HYDRAPULPERS



PULVERIZING MILLS



ABRASION RESISTANT LININGS

**The Unconventional Alternative.**

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BELZONA® 1000 SERIES METALLIC POLYMERS

### **Simplicity in Use**

- Applied easily to any surface (including vertical and overhead).
- Cold curing, does not create stress or distortion.
- No special mixing or application tools required.
- Simple volume mixing ratio.



### **Extensive Field of Use**

- Bonds to all rigid substrates including Steel, Cast Iron, Basalt, Concrete and Alumina.
- Resistant to a wide range of chemicals.
- Service temperature range -40°F to 300°F (-40°C to 150°C).

### **Performance in Service**

- Abrasion resistance comparable to Basalt.
- Provides joint free abrasion resistant lining.

### **Versatility in Use**

- Fast cure rates ensure equipment is returned to service with minimal delay.
- Use to create improved profiles, increasing flow with reduced turbulence.
- Thin or thick layers can be applied as required and feather edged for perfect finish.

### **User Friendly**

- Solvent free.
- No fire risk.
- No dust or loose aggregate to be mixed.



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