

 **Aluma-coat® WR**

**WATER  
RESISTANT  
EPOXY  
CERAMIC  
COATING  
SYSTEM**



FOR VERSATILE INDUSTRIAL APPLICATIONS



SOLAR WATER  
TANK



PUMP  
SHAFT



PUMP  
HOUSING



FLANGES



BUTTERFLY  
VALVES

# Aluma-coat® WR

Alumacoat-WR is a specially formulated 2 part Epoxy resin based coating comprising of hydrophobic micro-fine Ceramic powders. It is a smooth low friction coating designed to protect metals against corrosion and can withstand maximum temperature of 150 °C (302 °F).

## Suitable Substrates

Ferrous and non-Ferrous Metals.

## Areas of Application

Fan Propellers, Pump shafts, Pump housing, Flanges, Solar water tanks, Ovens, Chemical handling pumps, Butterfly Valves, etc.

## Surface preparation

For optimal performance roughen the surface by means of sand blasting. In case not feasible, roughen with a sand paper (60/80 grit), a wire brush, machine brush or angle grinder.

Clean the surface with a vacuum cleaner or air gun to remove any loose particles.

Remove any grease or oil from the surface to be coated using Trichloroethylene (TCE)



## Technical Properties:

<b>Density</b>	: Part 1 : 1.50 g/cc Part 2 : 1.05 g/cc
<b>Viscosity</b>	: Part 1 : > 10,000 cps Part 2 : 2000 cps
<b>Adhesive Strength</b>	: 5 MPa
<b>Avg Particle Size</b>	: < 40 µm
<b>Color</b>	: Blue / Red / Grey
<b>Mixing Ratio</b>	: 100 : 32 gms by weight
<b>Pot life at 25°C</b>	: 30 - 40 minutes
<b>Setting time at 25°C</b>	: 5 Hrs
<b>Curing time at 25°C</b>	: 24H without Acetone addition 48H with 40% Acetone addition
<b>Application</b>	: By brush / spray. Compatible spray gun: Pilot gun type P-80. Nozzle aperture: 1.57mm
<b>Thinning</b>	: For brush application (Approx. 5 - 10%). For spray application, use as per consistency required.
<b>Overcoat time</b>	: 6 - 8 hrs.
<b>Recommended Thickness</b>	: 0.8 – 1.0 mm
<b>Coverage</b>	: 0.4 kg / m <sup>2</sup> for 0.4-0.6 mm thick coat (Sprayed)
<b>Hardness</b>	: 10.0 Hv5
<b>Max. Temp. use</b>	: 150 °C
<b>Shelf life</b>	: 24 months.

Disclaimer: The information given is based on the results obtained from our R & D Laboratory. However, since the conditions of applications is beyond our control, we cannot stand warranty regarding the result obtained by the use of the product. Liability of Jyoti Ceramic Industries ceases for any damage, injury etc. caused by the mishandling of the products.

Contact us :

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for the WORLD



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