



CapSeal AP12

Active Thermal Spray Capillary Sealer

DESCRIPTION

CapSeal is a two component, 3:1 mix ratio, inorganic acid - base coating chemistry that incorporates an advanced proprietary blend of sub micron sized ceramic additives. Once mixed the CapSeal product is ready to use. This low viscosity product is designed to penetrate deep into the thermal spray coating to offer improved resistance to high temperature corrosion and erosion.

MIXING INSTRUCTION

This is a two-component, 3:1 volume ratio system. THIS PRODUCT CONTAINS HEAVY LOADING. SETTLING IN THE PRODUCT IS COMMON. Mix individual contents for 2 minutes until a uniform color and consistency is achieved and the product is well dispersed. Pour the contents of the B-Side into the A-Side container. Mix for 2 minutes with a Jiffy mixer and a mechanical drill. To ensure complete mixing, scrape sides and bottom of container and continue mixing for an additional 1 or 2 minutes. DO NOT HAND MIX. Begin application immediately. Skinning of the product may occur if left open for a period of time.

APPLICATION INSTRUCTION

Once mixed, the material may be applied by brush onto clean prepared thermal spray coating. Test a small area first and allow the coating to dry to confirm that it has not reacted negatively to the thermal spray. Apply in a uniform thin film 1-2 mils (25—50 microns). Once applied, allow to air dry for a minimum of 4 hours. Localized heating of the surface to 200 °F will improve the coatings water repellency and handling properties. To increase the physical properties of the coating is it recommended that the coating is fully cured. To fully cure the coating ramp the heat from ambient to 212 °F (100 °C), 500 °F (260 °C) and 700 °F (370 °C) for 1 hour at each step.