



TECHNICAL DATA SHEET

JP™ CERAMIC COAT

DOCUMENT NO: JP/0212/17

Product type	: Two-pack solventless epoxy resin containing ceramic pigments
Color	: Royal Blue
Mixing ratio	: Base - 15: Hardener - 1 (by weight)
Pot life	: 30 minutes
Application	: Mix compound homogeneously. Only mix desired usage amount from packaging. Apply via brush or roller onto sandblasted or power brushed surface. DO NOT ADD THINNER.

Drying Characteristics

Touch dry	: 3 hours
Full curing	: 24 hours
Finish	: Non-machinable glossy finish
Flash point	: Above 300°C
Storage	: Up to 24 months in original sealed containers
Packing	: 1kg (940g Base, 60g Hardener)

Physical Properties

Mix viscosity	: 30000 cps
Solid content	: 100%
Pot life	: 30 mins
Cured shrinkage	: 0.0020 in/in
Specific gravity	: 1.6 gm/cc
Cured hardness	: 90 D
Adhesive tensile strength	: 2800 psi
Compressive strength	: 15000 psi
Coefficient of thermal expansion	: 19 [in.x in. F] x 10(-6)
Disposal	: Spray into furnace under controlled conditions.



Chemical Resistance

Chemical resistance is calculated with a 7-day, room temperature curing (30 days immersion) @ 25°C)

1,1,1-Trichloroethane	: Very good
Ammonia	: Very good
Cutting Oil	: Very good
Gasoline (Unleaded)	: Very good
Hydrochloric 10%	: Very good
Kerosene	: Very good
Methyl Ethyl Ketone	: Poor
Methylene Chloride	: Poor
Phosphoric 10%	: Very good
Potassium Hydroxide 20%	: Very good
Sodium Chloride Brine	: Very good
Sodium Hydroxide 10%	: Very good
Sulfuric 10%	: Very good
Sulfuric 50%	: Poor
Trisodium Phosphate	: Very good
Xylene	: Fair

Note: The information given in this bulletin is believed to be reliable. However, the conditions under which our product may be used are beyond our control. Hence, the products are sold with the understanding that purchaser will make their own tests to determine the suitability of the product for their particular use.