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PRODUCT DATA SHEET ColorGard Titanium (TIK)

SELECTION DATA

CHEMICAL NAME / SYNONYMS:

PRODUCT DESCRIPTION:

TIK is a ceramic coating designed to be applied primarily to exhaust systems components. When applied to exhaust systems **TIK** will withstand substrate temperatures of over 1600°f, while maintaining color stability. **TIK** will handle environmental temperatures up to 2000°f. Due to its unique ceramic nature, the coating also functions as a very effective thermal barrier, with reduced thermal radiation characteristics. **TIK** full cures at 750F for one hour at temperature. The coating cures to a very hard, durable surface with excellent adhesion. **TIK** was designed to be an air drying coating capable of being cured with exhaust heat. In most cases this is acceptable. However initial exhaust gas temperatures at start up are critical, as the extremely high temperatures that can be generated by both lean and rich conditions can damage the resin system before full cure is achieved, leading to a failure of the coating. Corrosion and chemical resistance is only achieved after the coating achieves a complete cure.

RECOMMENDED USES:

Designed for single coat coverage. Primarily for use on exhaust systems components or other parts subject to high temperatures.

NOT RECOMMENDED FOR: N/A

CHEMICAL RESISTANCE GUIDE:

| <u>Exposure</u> | <u>Splash & Spillage</u> | <u>Fumes</u> |
|-----------------|------------------------------|--------------|
| Acids | Poor | Poor |
| Alkaline | Poor | Poor |
| Solvent | Good | Good |
| Fluids | Good | Good |
| Fuels | Good | Good |
| Salt | Good | Good |
| Water | Good | Good |

TEMPERATURE RESISTANCE: (non-immersion)

1600f substrate, 2000f maximum environmental

FLEXIBILITY: Good **WEATHERING:** Good

ABRASION RESISTANCE: N/E

SUBSTRATES: May be applied to both ferrous and non-ferrous.

TOPCOAT REQUIRED: None Required

SPECIAL TREATMENT: None Required

COMPATIBILITY WITH OTHER COATINGS: May be applied over PrevCor, MCX or MCS to withstand higher substrate temperature, Increase Corrosion protection or to increase the thermal barrier function.

SPECIFICATION DATA

THEORETICAL SOLIDS CONTENT OF MIXED MATERIAL: @ 30% WT.

RECOMMENDED DRY FILM THICKNESS PER COAT:

.001” to .0015”

THEORETICAL COVERAGE: @ 400 Sq. Ft. Gallon

BURNISHING: None needed after cure

SHELF LIFE: 1 year.

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Note: N/E = Not Established

N/A = Not Applicable