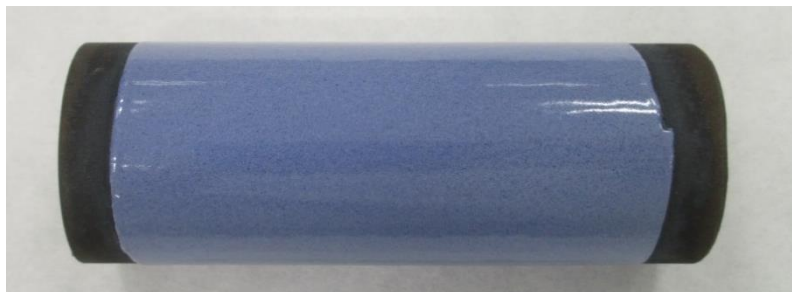
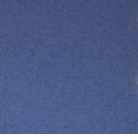
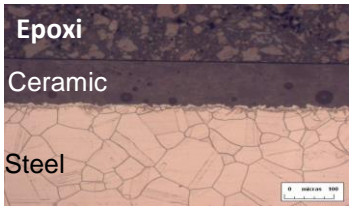


EXE0009

TECHNICAL DATA SHEET

APPLICATION;	<i>Ceramic Coating especially developed for High Temperature Environments with very Corrosive Ashes (as Sodium Vanadate) and/or Metal Dusting. Excellent Fouling Resistance.</i>
COATING THICKNESS	<i>Recommended; 100-150 Microns (4.90-5.90 Mils)</i>
TEMPERATURE ENVIRONMENTS;	<i>450°C (850°F) – 850°C (1560°F)</i>
COLOR;	<i>Light Blue</i>
COMPOSITION;	<i>Boron Silicate</i>
DATE;	<i>21/02/2018</i>



Physical and Thermal Properties	Standard	Results
Surface		Substrate; Austenitic Steel (AISI 310-317-347) Good Surface - Glossy
Adherence	EN10209	Substrate; AISI 310 - Level 1
Coefficient of Thermal Conductivity		1,17 watt/m. deg. (at 40°C – 104°F)
Roughness	ISO4288	Ra – 0,25 ± 0.04 μm // Rz – 1,11 ± 0.18 μm.
Hardness	ASTM C 1327-03	801 HV ± 23 HV (64 HRC) Applying a force of 1.500mN load within 20 seconds.
Abrasion Test	EN ISO 5470-1	TABER - 5,000 Cycles – CS17 0,32 mg./1000cycles
Inner microstructure		
Maximum Substrate Working T^a		800°C - 1472°F
Thermal Shock	Water quench FROM T^a (Water at 20°C)	800°C NO DAMAGE
Friction Coefficient (Pin on Disc)	Static partner -Coating : 100 Cr 6 -Dimension : 6,00 mm -Geometry : Ball	0.60 μ ± 0.04