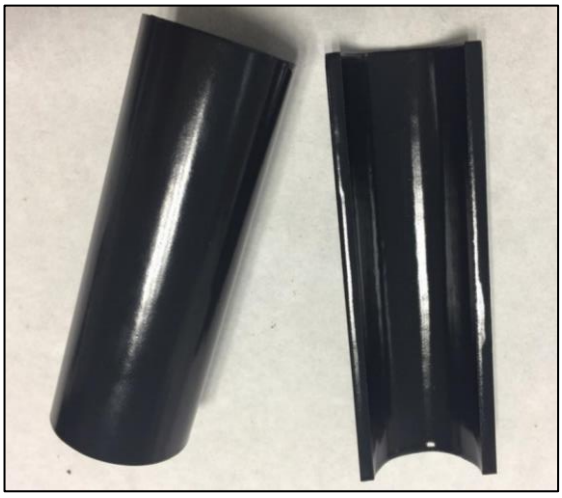
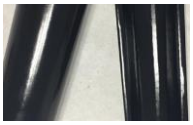
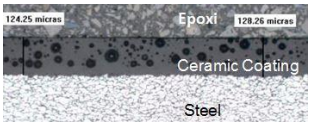
EXE0007

TECHNICAL DATA SHEET

APPLICATION;	***Ceramic Coating especially developed for Medium Temperature Environments with Excellent Fouling and Chemical Resistance.***
COATING THICKNESS	***Recommended; 100-150 Microns (4.90-5.90 Mils)***
TEMPERATURE ENVIRONMENTS;	***< 450ºC (850ºF)***
COLOR;	***Black - Grey***
COMPOSITION;	***Boron Silicate***
DATE;	***21/02/2018***



	Standard	Physical and Thermal Properties
Surface		Substrate; Carbon Steel and Austenitic Steel Good
Adherence	EN10209	Substrate; Carbon Steel and Austenitic Steel - Level 1
Coefficient of Thermal Conductivity		1,17 watt/m. deg. (at 40ºC – 104ºF)
Roughness	ISO4288	Ra – 0,35 µm // Rz – 1.84 µm.
Hardness	ASTM C 1327-03	680 HV ± 45 HV (59 HRC) Applying a force of 500mN load within 20 seconds.
Abrasion Test	EN ISO 5470-1	TABER - 10,000 Cycles – CS17 : 2 mg.
Inner microstructure		
Water Pressure Cleaning Test		Pressure – 1.500 bar (21,755,00 psi) Nozzle – Rotating Result: NO DAMAGE on Ceramic Coating
Maximum Substrate Working Temperature		450ºC // 842ºF
Thermal Shock	Water quench from Tª to water at 20ºC	450ºC - 842ºF NO DAMAGE AFTER 100 CYCLES

Good Chemical resistance to Acids and Alkalis Compounds, excepted HF and (OH)Na.

Specific chemical test can be carried out upon request.