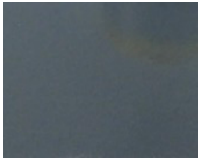


EXE32

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; 125-200 Microns (4.92-7.87 Mils)</i>
TEMPERATURE ENVIRONMENTS	<i>450°C (850°F) – 700°C (1292°F)</i>
COLOR	<i>Grey</i>
COMPOSITION	<i>Silica Based Coating</i>
DATE	<i>2020 MAY</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		Thermal conductivity range ~ 5-8 W/mK = f(T) Average reference ~ 6 W/mK
Roughness	ISO4288	Ra – 0,27 µm Rz – 1,31 µm.
Hardness	ASTM C 1327-03	806 HV ± 50 HV (64 HRC) Applying a force of 500mN load within 20 seconds.
Abrasion Test	EN ISO 5470-1	TABER - 5,000 Cycles – CS17 Lost Weight = 0,15 mg.
Maximum Substrate Working T^a		700°C - 1292°F
Thermal Shock	Water quench FROM T^a (Water at 20°C)	750°C - NO DAMAGE
Friction Coefficient (Pin on Disc)	Static partner -Coating : 100 Cr 6 -Dimension : 6,00 mm -Geometry : Ball	0.496 µm