EXE45

TECHNICAL DATA SHEET

APPLICATION;	***Ceramic Coating especially developed for High Temperature Environments with very Corrosive Ashes (as Sodium Vanadate) and/or Metal Dusting. Excellent Fouling Resistance.***
COATING THICKNESS	***Recommended; 125-200 Microns (4.92-7.87 Mils)***
COLOR	***Green***
COMPOSITION	***Silica Based Coating***
DATE	***2022 MARCH***

Physical and Thermal Properties	Standard	Results
Surface		Substrate; Austenitic Steel (AISI 310-317-347) Good Surface - Satin
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 = 2,08 µm Rz= 11, 02 µm
Hardness	ASTM C 1327-03	790 HV ± 63 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 = 2,8 mg.
Maximum Substrate Working Tª		850ºC – 1562ºF
Thermal Shock	Water quench FROM Tª (Water at 20ºC)	750ºC - NO DAMAGE

Chemical Properties	Standard	Results
HCl	UNE-EN_ISO_28706-2 2012	Coating Lost – 37 microns/year (1,38mpy) GOOD
H_2SO_4	UNE-EN_ISO_28706-2 2012	Coating lost – 2,42 g/m² BAD