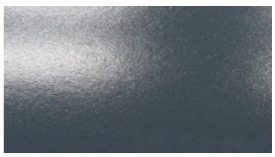
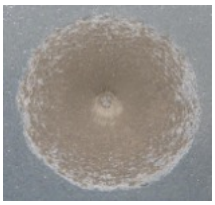
EXE47

TECHNICAL DATA SHEET

APPLICATION;	***Ceramic Coating especially developed for High Temperature Environments with High Chemical Corrosion Resistance and Excellent Fouling Resistance.***
COATING THICKNESS	***Recommended; 125-200 Microns (4.92-7.87 Mils)***
TEMPERATURE ENVIRONMENTS	***450ºC (850ºF) – 500ºC (932ºF)***
SUITABLE SUBSTRATES	***Stainless Steel***
COLOR	***Grey***
COMPOSITION	***Silica Based Coating***
DATE	***2023 January***

Physical and Thermal Properties	Standard	Results
Surface		Good Surface - Satin
Adherence	EN10209	Substrate; AISI 304 - Level 1 
Roughness	ISO4288	Ra = 0,67 µm Rz = 4,14 µm
Hardness	ASTM C 1327-03	HV 774 ± 24 HV (63 HRC) Applying a force of 500mN load within 20 seconds.
Abrasion Test	EN ISO 5470-1	TABER - 5,000 Cycles – CS17 Lost Weight = 1,9 mg.
Maximum Substrate Working Tª		500ºC - 932ºF
Thermal Shock	Water quench FROM Tª (Water at 20ºC)	600ºC - NO DAMAGE
Nitric Acid Resistance	UNE-EN_ISO_28706-2=2012 30% - Boiling – 24h	Lost Weight 0,33 g./m^2 // 0,45 microns/year// 1,77 mpy