

## EXE40

### TECHNICAL DATA SHEET

<b>APPLICATION;</b>	<i>Ceramic Coating especially developed for High Temperature Environments with High Chemical Corrosion Resistance and Excellent Fouling Resistance.</i>
<b>COATING THICKNESS</b>	<i>Recommended; 125-200 Microns (4.92-7.87 Mils)</i>
<b>TEMPERATURE ENVIRONMENTS</b>	<i>450°C (850°F) – 500°C (932°F)</i>
<b>SUITABLE SUBSTRATES</b>	<i>Stainless Steel and Carbon Steel</i>
<b>COLOR</b>	<i>Black</i>
<b>COMPOSITION</b>	<i>Silica Based Coating</i>
<b>DATE</b>	<i>2020 October</i>



<b>Physical and Thermal Properties</b>	<b>Standard</b>	<b>Results</b>
<b>Surface</b>		<b>Good Surface - Glossy</b>
<b>Adherence</b>	<b>EN10209</b>	<b>Substrate; AISI 310 and Carbon Steel - Level 1</b>
<b>Roughness</b>	<b>ISO4288</b>	<b>Ra = 0,3927 <math>\mu</math>m      Rz = 2,1358 <math>\mu</math>m</b>
<b>Hardness</b>	<b>ASTM C 1327-03</b>	<b>799 HV <math>\pm</math> 58 HV (64 HRC) Applying a force of 500mN load within 20 seconds.</b>
<b>Abrasion Test</b>	<b>EN ISO 5470-1</b>	<b>TABER - 5,000 Cycles – CS17 Lost Weight = 4,5 mg.</b>
<b>Maximum Substrate Working T<sup>a</sup></b>		<b>500°C - 932°F</b>
<b>Thermal Shock</b>	<b>Water quench FROM T<sup>a</sup> (Water at 20°C)</b>	<b>500°C - NO DAMAGE</b>
<b>Sulfur Acide Resistance</b>	<b>UNE-EN_ISO_28706-2=2012 30% - Boiling – 18h</b>	<b>Lost Weight = 0,17 g./m<sup>2</sup></b>