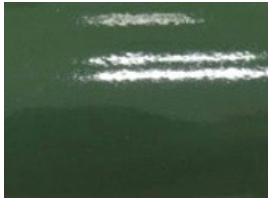


## EXE41

### TECHNICAL DATA SHEET

<b>APPLICATION;</b>	<b><i>Ceramic Coating especially developed for High Temperature Environments with very Corrosive Ashes (as Sodium Vanadate) and/or Metal Dusting. Excellent Fouling Resistance.</i></b>
<b>COATING THICKNESS</b>	<b><i>Recommended; 125-200 Microns (4.92-7.87 Mils)</i></b>
<b>TEMPERATURE ENVIRONMENTS</b>	<b><i>450°C (850°F) – 700°C (1292°F)</i></b>
<b>COLOR</b>	<b><i>Green</i></b>
<b>COMPOSITION</b>	<b><i>Silica Based Coating</i></b>
<b>DATE</b>	<b><i>2021 DECEMBER</i></b>



<b>Physical and Thermal Properties</b>	<b>Standard</b>	<b>Results</b>
<b>Surface</b>		<b>Substrate; Austenitic Steel (AISI 310-317-347)</b> <b>Good Surface - Glossy</b>
<b>Adherence</b>	<b>EN10209</b>	<b>Substrate; AISI 310 - Level 1</b>
<b>Coefficient of Thermal Conductivity</b>		<b>Thermal conductivity range ~ 5-8 W/mK = f(T)</b> <b>Average reference ~ 6 W/mK</b>
<b>Roughness</b>	<b>ISO4288</b>	<b>Ra – 0,23 μm      Rz – 1,03 μm.</b>
<b>Hardness</b>	<b>ASTM C 1327-03</b>	<b>755 HV ± 16 HV (62 HRC)</b> <b>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</b> <b>Lost Weight = 0,6 mg.</b>
<b>Maximum Substrate Working T<sup>a</sup></b>		<b>700°C – 1292°F</b>
<b>Thermal Shock</b>	<b>Water quench FROM T<sup>a</sup> (Water at 20°C)</b>	<b>700°C - NO DAMAGE</b>