

<b>Product Name</b>	<b><i>Thermosphere 325</i></b>
<b>Description</b>	Alumina Silicate Glass Microspheres
<b>Product Code</b>	HGS-16
<b>Specific Function</b>	<ul style="list-style-type: none"> <li>• Reduces weight of the end material</li> <li>• Imparts fire retardant property</li> <li>• Improves dimension stability</li> <li>• Improves noise reduction due to the thickness</li> <li>• Improves dimension stability</li> <li>• Reduce cracking property of the putties and fillers</li> <li>• Impart thermal insulation property by its low thermal conductivity value which is 0.040 W/m<sup>2</sup> °K</li> <li>• Reduces paint and coating weight on surface an in can or pail</li> <li>• Gives warm touch effect and anti-condensation property</li> </ul>
<b>PRODUCT CHARACTERIZATION</b>	
<b>Composition</b>	SiO <sub>2</sub> ≈77, Al <sub>2</sub> O <sub>3</sub> ≈12, K <sub>2</sub> O≈4, Na <sub>2</sub> O≈4, CaO≈1 Fe <sub>2</sub> O <sub>3</sub> ≈1, MgO≈0.5, TiO <sub>2</sub> ≈ 0.5
<b>Color</b>	White
<b>Effective Density gr/cm<sup>3</sup></b>	0,25 ± 0,10
<b>Bulk Density gr/cm<sup>3</sup></b>	0,14 ± 0,10
<b>Particle Size (µm)</b>	d10 : 5 µm d50 : 60 µm d98 : 150 µm d100 : 300 µm
<b>Pressure 10% collapse</b>	325 psi
<b>Oil Absorption</b>	36.3 g / 100 cc
<b>Melting Point</b>	1000 °C
<b>Thermal Conductivity</b>	0.040 W/m <sup>2</sup> °K
<b>APPLICATION DATA</b>	
<b>Recommended Dosage</b>	% 1 – 30 in weight
<b>Mode of Incorporation</b>	Mix under slow to medium sheer mixing
<b>Storage</b>	Keep dry
<b>Packing</b>	15.43 kg kraft bags,
<b>Health &amp; Safety</b>	Ask for the MSDS

Rev.07/Dec.2018