

<b>Product Name</b>	<b><i>Thermosphere 400</i></b>
<b>Description</b>	Amorphous coated Alumino Silicate Microspheres
<b>Product Code</b>	HGS-40
<b>Specific Function</b>	<ul style="list-style-type: none"><li>• Impart thermal insulation property by its low thermal conductivity value which is 0.036 W/m<sup>2</sup> °K</li><li>• Improves noise reduction due to the coating thickness</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><li>• Gives texture effect</li><li>• Reduce cracking property of putties and fillers</li><li>• Improves dimension stability</li><li>• Improves fire retardant property</li></ul>
<b>PRODUCT CHARACTERIZATION</b>	
<b>Composition</b>	SiO <sub>2</sub> ≈76.9, Al <sub>2</sub> O <sub>3</sub> ≈ 12.8, K <sub>2</sub> O≈ 4.7, Na <sub>2</sub> O ≈3.5 CaO≈ 0.9, Fe <sub>2</sub> O <sub>3</sub> ≈0.9, MgO≈0.2, TiO <sub>2</sub> ≈0.1
<b>Color</b>	White
<b>Effective Density</b>	0,50 ± 0,10
<b>Bulk Density</b>	0,40 ± 0,10
<b>Particle Size (µm)</b>	d10 : 10 µm d50 : 30 µm d90 : 70 µm
<b>Oil Absorption</b>	33.3 g / 100 cc
<b>Melting Point</b>	1260 °C
<b>Thermal Conductivity</b>	0.036 W/m <sup>2</sup> °K
<b>APPLICATION DATA</b>	
<b>Recommended Dosage</b>	% 1 – 25 in weight
<b>Mode of Incorporation</b>	Mix under slow to medium sheer mixing
<b>Storage</b>	Keep dry
<b>Packing</b>	10 kg Kraft bags,
<b>Health &amp; Safety</b>	Ask for the MSDS

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