

Product Name	<i>Thermosphere 200</i>
Description	Amorphous Volcanic Glass Microspheres
Product Code	HGS-20
Specific Function	<ul style="list-style-type: none"> • Impart thermal insulation property by its low thermal conductivity value which is 0.036 W/m² °K • Reduces paint and coating weight on surface an in can or pail • Gives warm touch effect and anti-condensation property • Gives texture effect • Reduce cracking property of thin film application • Improves dimension stability • Improves fire retardant property
PRODUCT CHARACTERIZATION	
Composition	SiO ₂ ≈76.9, Al ₂ O ₃ ≈ 12.8, K ₂ O≈ 4.7, Na ₂ O ≈3.5 CaO≈ 0.9, Fe ₂ O ₃ ≈0.9, MgO≈0.2, TiO ₂ ≈0.1
Color	White
Effective Density	0,25 ± 0,10
Bulk Density	0,20 ± 0,10
Particle Size (µm)	d10 : 10 µm d50 : 50 µm d90 : 110 µm
Oil Absorption	33.3 g / 100 cc
Melting Point	1260 °C
Thermal Conductivity	0.036 W/m ² °K
APPLICATION DATA	
Recommended Dosage	% 1 – 20 in weight
Mode of Incorporation	Mix under slow to medium sheer mixing
Storage	Keep dry
Packing	6 kg Kraft bags,
Health & Safety	Ask for the MSDS

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