



Technical Data Sheet

ECOSHEEN

Waterborne Aluminium Paste

Trade Mark: ESH15

Solvent: Proprietary solvent

Characteristics	UOM	Test Method	Specification
<u>Sieve analysis:</u> Residue on sieve 45µm	%	M/QA/SOP/003	0.2 max
Solid content	%	M/QA/SOP/112	65 min
Leafing power	%	ISO 1247-1	75 min
Particle Size Distribution: d50%	µm	M/QA/SOP/038	12 typical

* M/QA/SOP/003 is based on ISO 1247, M/QA/SOP/112 is based on Gravimetry & M/QA/SOP/038 is based on Malvern.

ESH 15 To meet global concerns over the environmental pollutions and the emissions from hydrocarbon solvents / VOCs, waterborne series are introduced by formulating with water borne no VOC solvent medium and fully passivated against reaction with water using a proprietary technique.ESH15 is superfine waterborne leafing aluminium paste which has a specially controlled particle size range in cornflake morphology is introduced to suit waterborne paints and inks. Due to its enhanced leafing & high coverage, it can provide strong & brilliant metallic effects.

Despite all cares taken for passivating aluminium, one must realize the precariousness of aluminium can not be fully eliminated in the presence of water. Any change in temperature / pressure / pH / presence of iron or iron oxide-like any catalytic substance can make the system vulnerable to reaction. For safer handling and storage of water borne paints, we recommend not to exceed the storage temperature above 35°C and to keep the pH of the formulation less than 9. It is recommended to provide a pressure release vent on to the lid of the paint can in case there is any hydrogen gas accumulation inside the paint vessel over time.

The data on this technical information sheet correspond with the current status of our knowledge and experience. The liability for the application and processing of our products lies with the buyer, and he is also responsible for observing any third party rights. We reserve the right to alter any product data as a result of technical progress or further developments in the manufacturing process.

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