IFCA-GMS

Adhesion promoter for aqueous system

Technical Data Sheet

Name: IFCA-GMS

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Product Description

IFCA-GMS is a high molecular silane polymer that can enhance adhesion performance in aqueous systems and solvent-based or solvent-free systems. This improvement is especially noticeable on non-sanded substrates such as tinplate, cast aluminium, galvanised sheet, and electrophoretically-coated sheet. It also proves effective on low surface energy substrates like carbon fibre sheet, highly-polished surfaces, and lathe machined surfaces. The polymer silane's alkyl component not only effectively bonds with the resin, but also allows it to fuse with water-based resins and emulsion systems under high-speed dispersion. Additionally, the silane's hydroxyl component bonds with the substrate. It is now possible to use consistent technical terms to describe the process.

Properties

1. Significantly improves adhesion on multiple substrates
2. Improved adhesion on non-sanded substrates
3. Improved adhesion on low surface energy substrates
4. Good compatibility with resins and emulsions
5. Suitable for almost all systems

Application

Metal substrates, carbon fibre (CFRP), glass fibre (GFRP), mineral, concrete, non-grinding substrates, low surface energy substrates. (Plastic substrates require verification)

Characteristic data*

Property	Value	Unit
Appearance	Clear transparent liquid	
Valid content	>98	%
Viscosity	50-300	m.Pas

*These properties are typical but do not constitute specifications.

Storage

This product is not flammable or explosive and can be stored and transported as a conventional product. It is suitable for storage in dry and ventilated place, avoid rain or water moisture.

Operation

It can be added under the condition of high-speed dispersion, and can be added directly at the stage of paint mixing (Note: It can be added after the resin and emulsion are added, so as to let it fully integrate with the resin and emulsion).

The additive amount of this product is determined according to the actual construction of the substrate, generally recommended to add 1-3%, if the substrate surface energy, surface polarity is low, it is recommended to increase the additive amount.

Disclaimer

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