

ACRYGEL T4

AcryGel T4 is a highly effective hydrophobically modified mid-shear thickener (HASE), especially designed to control the rheology properties in a wide range of water based interior and exterior coatings.

	Unit	Value	Method
Sales Specifications			
Solids content	%	30 ± 1	DIN 53189 / ISO 1625
Viscosity	cPs	10 - 50	ISO 2555, Brookfield RVT; spindle 1; 20 rpm; 23 °C
pH		3.0 ± 0.5	DIN 53785 / ISO 1148
Typical values of emulsion			
Appearance	-	milky, white liquid	-
Solubility	-	Completely miscible with water	-
Density	g/cm ³	approx. 1.06	ISO 8962

Applications/Uses

AcryGel T4 offers great rheology properties and outstanding mid-shear behavior to water based formulations with very low spattering during application by roller or brush.

Interior/exterior paints

Resin bound plasters & textured coatings

Benefits

Excellent efficiency

Outstanding resistance to roller spattering

Advanced in-can appearance of the paint

Improved flow & levelling properties of coatings

Excellent resistance to microbiological degradation

Enhanced sag resistance

Ideal for a wide range of formulations

Easy to process and handle

Formulation/ Dosage notes

AcryGel T4 can be added in various stages of the process without affecting its thickening performance. However, it is recommended to add AcryGel T4 during letdown, prediluted with water (1:1).

The optimum efficiency is achieved at pH>8.5. In any case, additions at pH<7.5 should be avoided and may lead to stability problems.

AcryGel T4 can be used in combination with other rheology modifiers such as Newtonian acrylic thickeners and polyurethane thickeners for rheology adjustment of water-based formulations.

The recommended dosage of AcryGel T4 is 0.3% - 2.0% w/w on the total formulation, as in the form of delivery.

Nevertheless, lab-scale testing is always recommended for optimum addition percentage.

Storage/Handling

AcryGel T4 should be stored in a dry and well-ventilated indoor area. The storage temperature must not exceed 40°C. Under these conditions, a storage stability of 6 months can be expected.

Observe general health & safety rules (avoid contact with skin; wear goggles and gloves etc.). This sheet is to be read in conjunction with its corresponding Safety Data Sheet (SDS).

Packaging

AcryGel T4 is available in 25kg jerrycan, 200kg drum and 1000kg IBC.

Contact

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