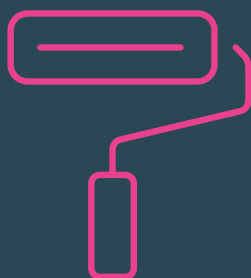


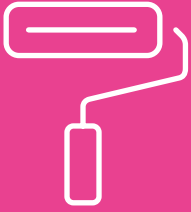


RHEOLOGICAL ADDITIVES

RHEOSIN
RHEOLOGY MODIFIERS ADDITIVES



RHEOLOGICAL ADDITIVES



PRODUCT OVERVIEW:

RHEOSIN rheological additives enable formulators to adjust the flow behaviour of paints and coatings, improving viscosity and application characteristics. Rheology modifiers are widely used to reduce dripping and spattering of paint during roller or brush application. Sag resistance of paint is improved by a rapid but controlled viscosity increase after application. During transport and storage of the paint, rheology modifiers prevent sedimentation of the pigments within a formulation. Maflon could provide both low-shear and high-shear thickeners for different systems and applications (spray, roller, brush). These additives are widespread formulate in both industrial and architectural coatings.



LOW SHEAR

MID SHEAR

HIGH SHEAR

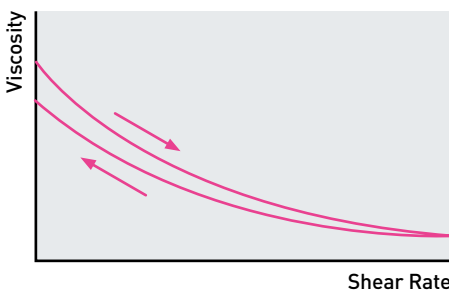
Storage stability

Dripping consistency

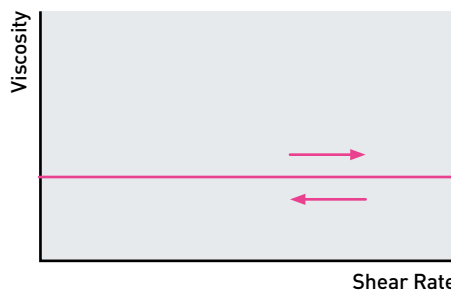
Mixing, roller or brush application

Spray application

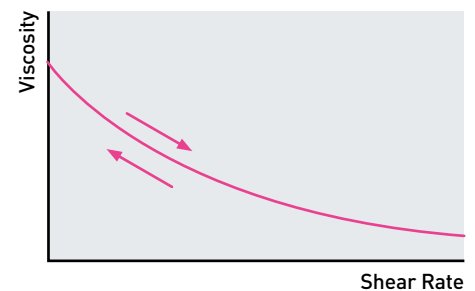
TIXOTROPIC



NEWTONIAN



PSEUDOPLASTIC



HYDROPHILIC CLAY

RHEOSIN PRODUCT	APPEARANCE	ACTIVE CONTENT (%)	SPECIFIC GRAVITY	FEATURES
CP101	White creamy powder	100%	2,5 g/cm ³	Smectite clay for aqueous system, low- to mid-shear viscosity. It improves sag resistance and prevents settling of pigments and fillers. Excellent syneresis control. It requires shear and dwell for activation. It is best used in system with pH between 6 and 12.

PROPERTIES:

- SAG RESISTANCE
- STORAGE STABILITY
- SYNERESIS CONTROL
- ROLLER SPATTER RESISTANCE
- LEVELLING
- APPLICATION BEHAVIOUR
- ANTI-SETTLING
- GLOSS DEVELOPMENT
- STABILIZATION OF PIGMENTS AND BINDERS



PSEUDOPLASTIC ASSOCIATIVE POLYURETHANE THICKENER

RHEOSIN PRODUCT	APPEARANCE	ACTIVE CONTENT (%)	BROOKFIELD VISCOSITY (mPa.s)	SOLVENT	FEATURES
PP202	White opaque liquid	25%	4500	Butile triglycol	Associative thickener for aqueous system, polyurethane pseudoplastic for both industrial and decorative coating. It improves sag resistance and anti-settling; mainly used as single thickener for spray application
PP205	White opaque liquid	25%	< 6000	Water	Associative thickener based on polyurethane chemistry with pseudoplastic behaviour. It is suitable for industrial coating to improve flow and levelling. It could provide application behaviour and brush drag.

NEWTONIAN ASSOCIATIVE POLYURETHANE THICKENER

RHEOSIN PRODUCT	APPEARANCE	ACTIVE CONTENT (%)	BROOKFIELD VISCOSITY (mPa.s)	SOLVENT	FEATURES
PN201	White opaque liquid	40%	< 200	Water	Newtonian behaviour, high shear polyurethane thickener. It improves levelling, brush drag and reduces spattering during roller application. It associates with binders and pigments.
PN203	White opaque liquid	20%	4500	Water	Associative polyurethane thickener with Newtonian behaviour, twice as efficient than standard products. It reduces roller-spattering during application, improves brush drag with an excellent gloss retention

THIXOTROPIC UREA THICKENER

RHEOSIN PRODUCT	APPEARANCE	ACTIVE CONTENT (%)	BROOKFIELD VISCOSITY (mPa.s)	SOLVENT	FEATURES
PT204	Clear liquid	40%	< 200	N-butylbutyrolactam	Ready to use, additive for aqueous and high polar non-aqueous coatings. Liquid urea based, it provides thixotropic flow, with low system dependency. Excellent anti-settling and stabilization of pigments and fillers. It reduces spray pattern and orange peel on the finish coatings.



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