



RHEOTECH™ 2800

Acrylic associative thickener for Water-based systems

“The Best of Two Worlds”: The flow and levelling of PU combined to the efficiency and stability of acrylics.

RHEOTECH™ 2800 is an associative acrylic thickener providing a newtonian to balanced rheology profile.

RHEOTECH™ 2800 is part of the RHEOTECH™ x800 new thickener range.

• TYPICAL ANALYSIS

Nature: Aqueous dispersion of an acrylic copolymer

Appearance (20°C): Low viscosity, white milky liquid

Solids content (%): 30

Solvent: Water

pH (25°C): 3

Specific gravity (20°C): 1.06

• ADVANTAGES

RHEOTECH™ 2800 is:

- 🔥 Combining the benefits of a HASE with flow & levelling behavior of a HEUR,
- 🔥 Cost performing without compromising on rheological profile,
- 🔥 Easy to formulate,
- 🔥 Compliant with eco-friendly regulations.

RHEOTECH™ 2800 provides:

- 🔥 Outstanding appearance & creaminess to paints,
- 🔥 Remarkable properties to tinting systems,
- 🔥 Great application comfort,
- 🔥 Improved sag/leveling compromise,
- 🔥 Easy finishing touches (touch up),
- 🔥 Good water resistance.

• APPLICATIONS

HASE & HEUR benefits

Its specific associative behavior allows RHEOTECH™ 2800 to provide a unique rheological balance between high, medium and low shear rates ; it helps to aim simultaneously very good body, value at hand stirring, stability and ease of coat, leveling, film building and spatter resistance

Improved appearance for water based paints is obtained thanks to stronger medium shear response and optimized visco-elastic balance: reduction of the elastic contribution imparts a more progressive transition under increasing shearing, thus the possibility to aim both a thick and still flowing appearance for paints.

Belonging to a high performing product line, RHEOTECH™ 2800 meets most advanced requirements: efficiency, optimized rheology profile, ease of use, pigment compatibility, versatility, water resistance.

Cost performance

RHEOTECH™ 2800 offers outstanding effectiveness in presence of various types of binders which contributes for lowering thickening costs of most water based formulations.

It also limits the need for raised high shear viscosity (i.e cone and plate or ICI viscosity) thanks to its superior effectiveness at medium shear rates lasting up to higher rates, therefore imparting enough spatter resistance and film build, and at the same time, a appreciable level of application comfort.

Ease of use

RHEOTECH™ 2800 is liquid and low viscous.

RHEOTECH™ 2800 can be used alone or in combination with other rheology modifiers

Compliant with eco-friendly regulations

RHEOTECH™ 2800 is free of:

- APEO (Alkyl Phenol EthOxylate),
- Organic solvent,
- Metallic pollutant.

Thanks to these different properties, RHEOTECH™ 2800 is highly recommended for use in:

- 🔥 **high quality matt paints**, as soon as film build, levelling and brushability are priorities (e.g. one coat matt dispersion paints),
- 🔥 gloss, semi-gloss and satin **dispersion paints**,
- 🔥 **tint bases** or any formulation to be colored using current tinting systems. It offers advantages when surfactant and/or rest electrolytes are already present or incorporated to the formulation and also contributes to limit viscosity drop at tinting and to stabilize colored formulations at storage. Pigment separation and syneresis can be reduced or eliminated.

RHEOTECH™ 2800 can be used alone in high to low PVC formulations, e.g. one coat matt, satin, semi-gloss and gloss paints, at concentration between 0.1 and 1% (dry on total formulation weight) typically.

• STORAGE

RHEOTECH™ 2800 can be irreversibly altered by frost. It should be protected from the effects of weathering and stored between 5 and 40°C and protected from direct sun exposure.

Once opened, packaging should be resealed immediately after use.

In these conditions, products should be used within 6 months after delivery.

Film-forming product, surface may dry in contact with air.

• STANDARD PACKAGING

- 220 l plastic drums
- 1 000 l containers.

• HEALTH & ENVIRONMENTAL DATA

Please refer to the Material Safety Data Sheet.

SOLVENT FREE SEMI-GLOSS DISPERSION PAINT

CHARACTERISTICS	CC 57401	WEIGHT (g)	VOLUME (ml)	
PVC (%) = 34,0 Solids content in weight (%) = 54,0 Specific gravity = 1,34 pH = 8.7	• COATEX	Water	150,0	200,4
	• BYK	COADIS™ BR 3 (40%)	6,0	6,6
	• TROY	Byk 34	2,0	3
	• KRONOS	NaOH (20%)	3,9	4,9
STORMER viscosity (KU) after 24 h = 120	• OMYA	Mergal K6N	2,0	2,5
	• KRONOS	KRONOS 2310	188,0	62,8
ICI viscosity (P) after 24 h = 1.7	• OMYA	Omyacoat 8500G	130,0	64,3
	• CELANESE	Water	68,0	90,9
Brookfield viscosities (mPa.s) after 24 h = 10 rpm = 22 500 = 100 rpm = 5 380	• COATEX	Mowilith LDM 1871	400,2	499,8
	• COATEX	RHEOTECH™ 2800 (30%)	19,9	25
	• TEGO CHEMIE	Water	24,0	32,1
	• TEGO CHEMIE	NaOH (20%)	5,0	6,2
	• TEGO CHEMIE	Tego 1488	1,0	1,4

Website: www.coatex.com

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