

Technical Flyer

Water-borne rheological additives for Pressure Sensitive Adhesives

With over 40 years of experience in **rheology & specialty additives** design, Coatex is a world-leading producer of **rheology modifiers for water-borne adhesives**.

Coatex offers **a full range of thickeners** to fine-tune the desired rheological profile and to overcome challenges met by **PSA formulators** and applicators.

From Newtonian to pseudo-plastic, our comprehensive range of high performance solutions is based on acrylic (**ASE & HASE**) and polyurethane (**HEUR**) technologies.

Furthermore our developments are **solvent-free, APEO-free and heavy metal-free** to achieve our common goals for a **sustainable future**.

DEDICATED SOLUTIONS FOR EVERY MARKET NEED



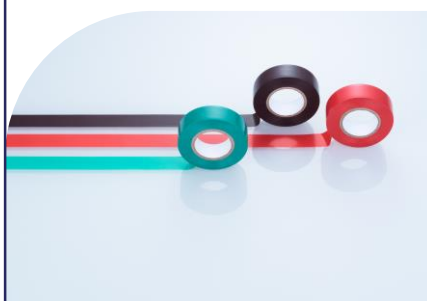
Performance

- Improved storage **stability**
- **Adjust viscosity** to processing conditions
- Control of the **thickness**
- **Flow & leveling**
- Smooth and homogeneous **film deposit**
- **Wide compatibility** & versatility

Adapted for

Main conventional coater technologies:

- Meyer bar
- Reverse roll coating
- Gravure coating
- Curtain coating



Multi technology offer

Polyurethane Thickeners:

COAPUR™

Acrylic Thickeners:

RHEOTECH™

THIXOL™

WATER-BORNE RHEOLOGICAL ADDITIVES FOR PRESSURE SENSITIVES ADHESIVES



PRODUCT		TYPICAL USE	CHEMISTRY	BENEFITS
ROTOGRAVURE				
COAPUR™	3020	Labels	Polyurethane non ionic thickener	<ul style="list-style-type: none"> • Good water resistance • Improving viscosity under high shear conditions for more consistent vario-gravure application • Excellent flow & leveling
COAPUR™	817 W 830 W	Tapes & labels	Polyurethane non ionic thickener	<ul style="list-style-type: none"> • Good water resistance • Controlled deposit thickness • Improving viscosity under high and medium shear conditions
RHEOTECH™	2800 3800	Tapes & labels	Acrylic thickeners, HASE type	<ul style="list-style-type: none"> • To adjust mid and high shear viscosities • Alternative to PU thickener
CURTAIN				
COAPUR™	3020	Labels	Polyurethane non ionic thickener	<ul style="list-style-type: none"> • Viscous behavior for excellent flow • Homogeneous film build • Good leveling
COAPUR™	817 W 830 W	Tapes & Labels	Polyurethane non ionic thickener	<ul style="list-style-type: none"> • Viscous behaviour for good flow • Provides higher viscosity at low shear rates • Higher film thickness
TRANSFER				
COAPUR™	XS 71	Tapes & Labels	Polyurethane non ionic thickener	<ul style="list-style-type: none"> • pH Independant • Improving transfer • Good leveling
THIXOL™	53 L	Tapes	Acrylic thickeners	<ul style="list-style-type: none"> • Improving transfer • High film thickness

*Non exhaustive product selection, other grades are available depending on the application needs

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