AQUACER 507 AQUACER 513 AQUACER 531 AQUACER 1547 AQUACER 2500

Aqueous Wax-based Performance Additives to Improve Paper Surfaces

Composition

AQUACER 507	Anionic emulsion of an oxidized HD polyethylene wax
AQUACER 513	Non-ionic emulsion of an oxidized HD polyethylene wax
AQUACER 531	Non-ionic emulsion of a modified polyethylene wax
AQUACER 1547	Anionic emulsion of an oxidized HD polyethylene wax
AQUACER 2500	Non-ionic emulsion of a modified polyethylene wax

Typical Properties

	Non-volatile matter in %	**Melting point (wax component) in °C**	**Viscosity at 23°C (D=800/s) in mPa·s**	**pH-value**
AQUACER 507	35 Solvents: Water	130	25	9.7
AQUACER 513	35 Solvents: Water	135	60	9.2
AQUACER 531	45 Solvents: Water	130	125	3.5
AQUACER 1547	35 Solvents: Water	125	40	9.7
AQUACER 2500	40 Solvents: Water	125	< 100	10.0

Values indicated in this data sheet describe typical properties and do not constitute specification limits.

Recommended Levels

	% additive (as supplied) based upon total formulation	
	in coating colors	**in paper coatings**
AQUACER 507 **AQUACER 513** **AQUACER 531** **AQUACER 1547** **AQUACER 2500**	0.6 – 1.5	1 – 6

Incorporation and Processing Instructions

The additives should be added with low shear force before adding the thickeners. Stir before use

Special Features and Benefits

AQUACER 507	• No influence on gloss Picking, scratch resistance, and abrasion resistance are improved. The uniformity of printing ink acceptance and ink setoff are improved as well. Penetration speed of the fountain solution is reduced in offset printing.
AQUACER 513	• Improved slip Picking, scratch resistance, and abrasion resistance are improved. The uniformity of printing ink acceptance and ink setoff are improved as well. Penetration speed of the fountain solution is reduced in offset printing.
AQUACER 531	• Reduced static and dynamic friction • Increased print gloss • Improved smoothness Picking, scratch resistance, and abrasion resistance are improved. The uniformity of printing ink acceptance and ink setoff are improved as well. Penetration speed of the fountain solution is reduced in offset printing.
AQUACER 1547	• Barrier properties for specialty applications Picking, scratch resistance, and abrasion resistance are improved. The uniformity of printing ink acceptance is improved as well. Penetration speed of the fountain solution is reduced in offset printing.
AQUACER 2500	• Utilization of starch-based systems • Improved smoothness • FDA approved Picking is reduced, uniformity of printing ink acceptance, and ink setoff are improved as well. Penetration speed of the fountain solution is reduced in offset printing.

Special Note

The components of AQUACER 507 and AQUACER 531 are approved under FDA §175.105, 176.180.
The components of AQUACER 513 are approved under FDA §175.105.
The components of AQUACER 1547 and AQUACER 2500 are approved under FDA §§175.105, 175.300, 176.170, 176.180.

Storage and Transportation

AQUACER 507 **AQUACER 513** **AQUACER 531** **AQUACER 1547** **AQUACER 2500**	Temperature sensitive Temperature for transport and storage must be between 5°C and 35°C Stir before use

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