

Bermocoll & Bermodol additives for water-based paint





Cellulosic Specialties – the small company with multinational resources

Cellulosic Specialties is part of AkzoNobel Functional Chemicals, one of the business units within AkzoNobel. We have a unique technology base and experience of cellulose derivatives, with more than 50 years of development, manufacturing and sales of these products.

Bermocoll is a non-ionic cellulose ether and is available in a wide range of viscosities, and a variety of modified grades. Cellulose is a natural polymer and the chief component is wood pulp or cotton linters.

When manufacturing Bermocoll, the cellulose reacts with different substituents such as methyl, ethyl, hydroxyethyl, or hydrophobic groups. This etherification process of Bermocoll makes it water soluble. Bermocoll is used in textured paint, chemical plaster, flat paint, satin paint and semi-gloss paint.

The **Bermodol PUR** range of polyurethanebased associative thickeners – Bermodol PUR 2102, Bermodol PUR 2110, Bermodol PUR 2130 and Bermodol PUR 2150 – has been developed to enable paint manufacturers to formulate their paints to suit market preferences on viscosity, brushing resistance, hiding power, leveling, consistency and spatter-free application.

Bermodol SPS are speciality surfactants developed for use as dispersants in colorants.

PRODUCT TYPE	PRODUCT NAME	FORM
Regular Cellulosic Thickeners	Bermocoll E 320 G	Powder
	Bermocoll E 230 FQ	Powder
	Bermocoll E 270 FQ	Powder
	Bermocoll E 320 FQ	Powder
	Bermocoll E 351 FQ	Powder
	Bermocoll E 411 FQ	Powder
	Bermocoll E 431 FQ	Powder
	Bermocoll E 451 FQ	Powder
	Bermocoll E 481 FQ	Powder
	Bermocoll EM 7000 FQ	Powder
Biostable Cellulosic Thickeners	Bermocoll EBS 351 FQ	Powder
	Bermocoll EBS 411 FQ	Powder
	Bermocoll EBS 431 FQ	Powder
	Bermocoll EBS 451 FQ	Powder
	Bermocoll EBS 481 FQ	Powder
	Bermocoll EBM 1000	Powder
	Bermocoll EBM 3000	Powder
	Bermocoll EBM 5500	Powder
Bermocoll EBM 8000	Powder	
Associative Cellulosic Thickeners	Bermocoll EHM 200	Powder
	Bermocoll EHM 300	Powder
	Bermocoll EHM 500	Powder
Associative Polyurethane Thickeners	Bermodol PUR 2102	Liquid
	Bermodol PUR 2110	Liquid
	Bermodol PUR 2130	Liquid
	Bermodol PUR 2150	Liquid
Speciality Surfactants	Bermodol SPS 2525	Liquid
	Bermodol SPS 2528	Liquid
	Bermodol SPS 2532	Liquid
	Bermodol SPS 2541	Liquid
	Bermodol SPS 2543	Liquid

SOLIDS (%)	VISCOSITY (mPa.s)		PERFORMANCE
100	1850 – 2650	(2%)	Granular, high shear viscosity – low spatter
100	260 – 360	(2%)	High shear viscosity – low spatter
100	750 – 930	(2%)	High shear viscosity – low spatter
100	1850 – 2650	(2%)	High shear viscosity – low spatter
100	4250 – 6000	(2%)	Balanced low and high shear viscosity
100	850 – 1200	(1%)	Balanced low and high shear viscosity
100	1700 – 2400	(1%)	Low shear viscosity – economical
100	2550 – 3600	(1%)	Low shear viscosity – economical
100	4250 – 6000	(1%)	Low shear viscosity – economical
100	6000 – 8000	(1%)	Low shear viscosity – economical
100	5000 – 6000	(2%)	Balanced low and high shear viscosity
100	850 – 1200	(1%)	Balanced low and high shear viscosity
100	1700 – 2400	(1%)	Low shear viscosity – economical
100	3000 – 4000	(1%)	Low shear viscosity – economical
100	4000 – 6000	(1%)	Low shear viscosity – economical
100	500 – 800	(1%)	Reduced foaming, balanced low and high shear viscosity
100	2000 – 3000	(1%)	Reduced foaming, balanced low and high shear viscosity
100	5000 – 6500	(1%)	Reduced foaming, low shear viscosity – economical
100	7000 – 9000	(1%)	Reduced foaming, low shear viscosity – economical
100	350 – 700	(1%)	Efficient – improved paint quality
100	1700 – 3000	(1%)	Efficient – improved paint quality
100	7000 – 10000	(1%)	High efficiency – improved paint quality
ca 40	max 4000		Low shear viscosity – good leveling
ca 98	6000 – 15000		Balanced low and high shear viscosity – good leveling
ca 40	2000 – 6000		High shear viscosity – good leveling
ca 35	3000 – 8000		Low shear viscosity – good leveling
80	ca 150		Dispersing of pigments HLB 11.1
80	ca 200		Dispersing of pigments HLB 13.0
80	ca 150		Dispersing of pigments HLB 14.6
80	ca 350		Dispersing of pigments HLB 15.1
90	ca 200		Dispersing of pigments HLB 8.8

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