

Leading in emulsions and speciality polymers

Synthomer is one of the world's leading suppliers of emulsion and speciality polymers supporting leadership positions in many market segments including coatings, construction, technical textiles, adhesives, paper and synthetic latex gloves. The company has its Head Office in London (UK) and provides customer focused services from operational centres in Harlow (UK), Marl (Germany), Kuala Lumpur (Malaysia), Shanghai (China) and Dubai (UAE). In June 2016 we have acquired the Monomers, Dispersions and Powders business (MDP) from Hexion with dedicated production, sales and customer service facilities in North America, Europe and South East Asia. The newly acquired business significantly improves our footprint to a number of speciality markets which we will continue to serve through a strong network of local technical service and sales branches, supported by regional application development and production in our key markets. *We deliver the right formula, globally, individually.*

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Dispersions Wood Coatings



Dispersions Wood Coatings

Product Name	Applications							Properties	Emulsion Properties*					Product Name
	Exterior wood paints/Trim paints	Exterior wood stains/Varnishes	Impregnants	Wood primers	Interior wood stains/Interior varnishes	Furniture	Floor-Varnishes		Solid content [%] ISO 3251	pH Value ISO 9176	Viscosity [mPa·s]	Glass transition temperature T _g [°C]	MFFT [°C]	
Acrylic													Acrylic	
PLEXTOL R 5335	○	●		○				Excellent exterior durability and wet adhesion, high flexibility	46	8.5	550 ¹⁾	22	14	PLEXTOL R 5335
PLEXTOL R 5530				○				Very hydrophobic film with high gloss potential, stain blocking resistance	46	8.3	150 ¹⁾	33	23	PLEXTOL R 5530
PLEXTOL R 803	○	○						Very high exterior durability, good compatibility with associative thickeners	46	7.5	250 ¹⁾	24	18	PLEXTOL R 803
PLEXTOL R 825	●				○			High gloss potential, good block resistance, good compatibility with associative thickeners	47	8.5	4,000 ¹⁾	15 / 65 ³⁾	10	PLEXTOL R 825
PLEXTOL R 826					●		●	Hard, scratch resistant film, parquet coatings	42	8.0	500 ¹⁾	20 / 70 ³⁾	12	PLEXTOL R 826
PLEXTOL W 1078					●	○	●	Good wood warming, excellent chemical resistance, high hardness	42	8.0	500 ¹⁾	36 / 80 ³⁾	24	PLEXTOL W 1078
PLEXTOL A 6474	○	○		○	○			Lower VOC, heterogeneous morphology, self-crosslinking, versatile product, good levelling	45	8.5	150	7 / 76	5	PLEXTOL A 6474
PLEXTOL UltraFine LS 5000		○	●	●	○			Excellent in-can clarity, particle size 50 nm, excellent impregnation	35	6.0	100	21	12	PLEXTOL UltraFine LS 5000
PLEXTOL UltraGreen 3861	●							Lower VOC, heterogeneous morphology, high gloss, ammonia-free	46	7.5	400	-16 / 36	0	PLEXTOL UltraGreen 3861
PLEXTOL R 5441	○	●						Low VOC, versatile use for opaque and translucent coatings	49	8.3	1,100	-10/10/55 ³⁾	0	PLEXTOL R 5441

Product Range Protective Coatings Europe. For availability in your region, please contact our local sales staff.

- recommended applications
- suitable applications

¹⁾ Test method ISO 2555 (Brookfield)/ISO 1652 (Brookfield)
²⁾ Test method ISO 3219
³⁾ Multi-phase particles
 * Data describes typical properties - not product specifications