

Product range for wood coating applications

Primers

- **Esacote**® acrylic emulsions and polyurethane dispersions with excellent sandability

Base coats and top coats

- **Decosphaera**® polyurethane based beads with gaussian particle size distribution, excellent for enhancing scratch and burnishing resistance in natural look and low gloss top coats
- **Esacote**® acrylic emulsions, polyurethane dispersions, self-crosslinking polymers and urethane acrylic hybrids for achieving mechanical and chemical resistances
- **Esacote**® inherently matt polyurethane dispersions for providing warm touch and low gloss appearance
- **Esacote**® **BIO** polyurethane dispersions based on renewable raw materials for joining together performance and sustainability
- **Esacote**® **LX** radiation curable polyurethane dispersions with excellent chemical and mechanical resistance
- **Viscolam**® waterborne rheology modifiers (HASE & HEUR)
- **Spheromers**® acrylic based beads with monomodal particle size distribution, excellent for enhancing scratch and burnishing resistance in natural look and low gloss top coats

Low gloss and natural look finishes

- **Decosphaera**® polyurethane based beads with gaussian particle size distribution, excellent for enhancing scratch and burnishing resistance in natural look and low gloss top coats
- **Decosphaera**® **HAP** microplastic free matting agent in powder form
- **Esacote**® **PU 900** series inherently matt polyurethane dispersions with very low gloss and soft touch
- **Viscolam**® waterborne rheology modifiers (HASE & HEUR)
- **Spheromers**® acrylic based beads with monomodal particle size distribution, excellent for enhancing scratch and burnishing resistance in natural look and low gloss top coats

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	Main application	Chemical properties									Film properties	
		Primer	Top coat	Flooring	Furniture	Chemical nature	Solvent (%)	Solvent type	Dry content (%)	pH	MFFT (°C)	König (K) hardness (sec)
Water based acrylic emulsions												
Esacote® AC 200	FCMD - Self crosslinking & flexible	x		•	•	AC	0	Solvent free	40	8.0-10.0	~12	38
Esacote® AC 202	Chemical resistance - Self crosslinking	x	x	••	•••	AC	0	Solvent free	43	7.0-8.0	~50	85
Esacote® AC 301	Hydroxyl 2K functional binder	x	x	••	•••	AC	0	Solvent free	40	7.0-8.0	~60	95
Esacote® AC 302	Hydroxyl 2K functional binder	x		•	••	AC	0	Solvent free	50	7.0-8.0	~50	50
Esacote® AC 565	Stain resistance - Self crosslinking	x	x	•••	•	PE	0	Solvent free	35	8.0-10.0	~55	90
Water based urethane acrylic dispersions												
Esacote® PU 13	2K Low co-solvent demand	x	x	•••	•	PE	<1	Acetone	35	8.0-10.0	~0	65
Esacote® PU 148	Glossy, hard & versatile	x	x	•••	•••	PE	4.5	DPGDME	35	7.0-9.0	~0	93
Esacote® UA 7023	Chemical resistance - Self crosslinking		x	•	•••	PC	0	Solvent free	35	7.0-9.0	~60	140
Esacote® UA 8004*	1K wood flooring - Chemical resistance		x	•••	•	PES	0	Solvent free	35	7.0-9.0	~30	94
Esacote® UA 8009*	1K wood flooring - Low cosolvent demand		x	•••	•	PE	0	Solvent free	35	8.0-10.0	~0	90
Water based UV/EB curable polyurethane dispersions												
Esacote® LX 5010*	Excellent overall compatibility	x	x	•••	•••	PE	0	Solvent free	40	7.0-9.0	~0	170
Esacote® LX 7050*	Stain & chemical resistance	x	x	•••	•••	PC	0	Solvent free	38	7.0-9.0	~0	140
Esacote® LX BIO 6430*	30% biobased carbon content	x	x	•••	•••	PES	0	Solvent free	38	7.0-9.0	~0	140
Water based BIOBASED polyurethane dispersions												
Esacote® BIO 118	33% bio based carbon content	x	x	•	•••	PES	8	DPGDME	32	7.5-8.5	~43	150
Esacote® BIO 148	33% bio based carbon content	x	x	•••	•••	PE	4.5	DPGDME	35	7.0-9.0	~15	100
Esacote® BIO 4900	62% bio based carbon content		x	••	••	PES	<1	MEK	35	7.0-9.0	~15	88
Esacote® BIO 9001	66% bio based carbon content - matt		x	•••	•	PE	0	Solvent free	32	8.0-9.0	~0	NA
Water based polyurethane dispersions												
Esacote® PU 40	Excellent overall compatibility		x	••	•	PES	<1	MEK	35	7.5-9.5	~0	50
Esacote® PU 61	Good hardness development		x	••	•••	PC	8	DPGDME	35	7.0-9.0	~25	127
Esacote® PU 77	Mechanical & chemical resistances		x	•••	••	PC	<0.5	MEK	35	7.0-9.0	~35	105
Esacote® PU 900	Low gloss at 60°		x	•••	•	PE	0	Solvent free	32	7.0-9.0	~0	NA
Esacote® PU 940	UV resistant		x	•••	•	PC	2	DPGDME	28	7.0-9.0	~0	NA
Esacote® PU 960	Ultra soft		x	•••	•	PE	0	Solvent free	39	7.0-9.0	~0	NA
Esacote® PU 980	Silky touch		x	•••	•	PE	0	Solvent free	32	7.5-9.5	~0	NA
Esacote® PU 6535	Easy to film - Mechanical resistance		x	•••	•	PES/PC	<1	MEK	35	7.0-9.5	~27	65
Esacote® PU 7020	Flexible - Chemical resistance		x	••	••	PC	4	DPGDME	35	7.0-9.0	~0	35
Rheology modifiers							Main properties				Application	
Viscolam® NT 74	High shear HASE	Hydrophobic acrylic				0	Solvent free	30	2.0-4.0	Roller		
Viscolam® 630	Low shear HASE	Anti settling				0	Solvent free	30	2.0-4.0	Spray		
Viscolam® PS 010 AIR	Low shear HEUR	Pigments compatibility				0	Solvent free	39.5	4.0-10.0	Spray		
Viscolam® PS 167	Low - Medium shear HEUR	Balanced performance				23	2-Butoxyethanol	40	5.0-7.0	Roller & spray		
Viscolam® PS 170 AIR	Medium shear HEUR	Balanced performance				0	Solvent free	46.5	4.0-10.0	Roller & spray		
Viscolam® PS 202 AIR	High shear HEUR	Excellent film build				0	Solvent free	20	4.0-7.0	Roller		
Viscolam® PS 222 AIR	High shear HEUR	Highly newtonian				0	Solvent free	25	4.0-7.0	Roller		
Additives							Main properties					
Adiwax H05CW	Water based wax dispersion	HDPE				0	Solvent free	35.5	7.5-9.5	Antiscratch		
Adiwax H30F	Water based wax dispersion	Carnauba				0	Solvent free	30	5.0-7.0	Antiscratch		
Adiwax HP	Water based wax dispersion	Paraffins				0	Solvent free	45	7.5-9.0	Hydrophobicity		
Catalyst AT5/N	Crosslinker with extended pot life	Polyaziridine				35	DPGDME	65	NA	Water soluble		
Crosslinker 08 LM	Crosslinker with low monomers	Polyisocyanate				30	Propylene carbonate	70	NA	Easy to disperse		
Decosphaera®	PU beads - Matt & texturizing	Polyurethane beads				0	Solvent free	100	NA	Gaussian		
Decosphaera® BIO8TR	52% bio based carbon content	Polyurethane beads				0	Solvent free	100	NA	Gaussian		
Decosphaera® HAP	Plastic free matting agent	Hydroxyapatite				0	Solvent free	100	NA	Inorganic		
Spheromers®	PMMA beads - Matt & texturizing	Acrylic beads				0	Solvent free	100	NA	Monomodal		

* development product

Above data cannot be considered as supply specification.

• Suitable •• Good ••• Excellent

AC acrylic NA not applicable
 PC polycarbonate FCMD food contact material declaration available
 PE polyether DPGME dipropylene glycol methyl ether
 PES polyester DPGDME dipropylene glycol dimethyl ether

This information is given in good faith and to the best of our knowledge. Every user of our products is responsible as regards the observation of all legal regulations including patent laws. Detailed information on handling and specific precautions to be observed in the use of the product can be found in our relevant Health and Safety Information Sheets.