

EMULSIFIABLE WAXES

DEUREX®
THE WAX COMPANY

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All data are based on our current knowledge and inform about our products and their applications. There is no assurance for certain properties and their suitability for certain applications. The customer is responsible to care for the necessary safety measures and to ensure the appropriate handling of the product. Existing industrial property rights have to be considered. An unobjectionable quality is assured within the scope of our general terms and conditions. 01/19

**EMULSIFIABLE WAXES
AND THEIR CORRESPONDING LIQUID VERSIONS**

	DEUREX® EO 40	DEUREX® EO 45	DEUREX® E 11	DEUREX® TO series	DEUREX® T 16	DEUREX® P 36	DEUREX® X 55	DEUREX® X 52	INDUSTRIES
	Oxidized low density polyethylene wax	Oxidized high density polyethylene wax	Low density homopolymer polyethylene wax	Oxidized linear structured FT hard paraffins	Thoroughly designed paraffin	High molecular polypropylene wax	Bio based wax, direct food contact	Natural sugar cane wax	
BENEFITS	<ul style="list-style-type: none"> · Perfect price performance · Textile finishing · Sewability · Anti blocking · Slip agent · Abrasion resistance · Water repellency · Gloss · Lubricant · Dispersing agent · FDA approvals · Citrus fruit coatings 	<ul style="list-style-type: none"> · Temperature stability · Anti blocking · Slip agent · Mar resistance · Abrasion resistance · Water repellency · Gloss · Lubricant · Dispersing agent · FDA approvals 	<ul style="list-style-type: none"> · Excellent UV stability · Economic bestseller · Anti blocking · Slip agent · Mar resistance · Abrasion resistance · Water repellency · Lubricant · Dispersing agent · FDA approvals · Very economic · Not easy to emulsify 	<ul style="list-style-type: none"> · Matting · Anti blocking · Harder than PE waxes · Slip agent · Mar resistance · Abrasion resistance · Water repellency · Lubricant · Dispersing agent · FDA approvals · From low acid value (=hydrophobic) to high acid value (hydrophilic) 	<ul style="list-style-type: none"> · Improved tackiness · Lubricant · Oil free paraffin · Viscosity regulation · Adhesion at high temperatures · Water repellency · Improved gloss · Slip agent · FDA approvals · Bestseller in paper applications 	<ul style="list-style-type: none"> · Temperature stable · High melting wax · Adhesion at high temperatures · Water repellency · Matting · Flexibility · Slip agent · Lubricant · Dispersing agent · FDA approvals · High temperature applications 	<ul style="list-style-type: none"> · Based on food additives E 903 Carnauba, E 905 Micro-crystalline waxes · Direct food can coatings · Direct food packaging · Edible colours · Replacement for carnauba waxes · Anti blocking · Slip agent · Mar resistance · Abrasion resistance · Water repellency · Gloss 	<ul style="list-style-type: none"> · Bio based · Renewable · Biodegradable (DIN EN 13432) · For bio based applications · Easy to emulsify · Moisture proof · Water repellency · Viscosity regulation · Slip agent · Anti blocking · Very flexible · Easy incorporation 	<ul style="list-style-type: none"> · Adhesives · Agrochemicals · Care products · Coatings · Construction chemicals · Deforming lubricants · Fruit coatings · Inks · Lacquers · Leather · Organic Coatings · Paper · Polishes · Textiles

DROP POINT °C	97 - 105	125 - 135	110 - 120	Tailor made from 96 to 115	55 - 65	150 - 170	81 - 90	78 - 82	DEUREX® S SERIES Silica and Silica coated waxes <ul style="list-style-type: none"> · Wetting agents · Chemical resistance · Resistant against corrosion · Heat resistance · Abrasion resistance · Anti blocking agents · FDA approvals
VISCOSITY mPas	< 120	< 4,000	< 80	< 20	< 5	130-230	< 20	< 40	
COLOUR	White	White to off-white	White	White to off-white	White	White	Light yellow	Amber	
WAX EMULSIONS	DEUREX® EO 4001 W	DEUREX® EO 4501 W	DEUREX® E 1101 W	DEUREX® TO 8201 W	DEUREX® T 1601 W	DEUREX® P 3601 W	upon request	DEUREX® X 5201 W	DEUREX® S 3001 W
TYPICAL PARTICLE SIZE	(50% < 500 nm, 98% < 1 µm)	(50% < 500 nm, 98% < 1 µm)	(50% < 500 nm, 98% < 1 µm)	(50% < 500 nm, 98% < 1 µm)	(50% < 500 nm, 98% < 1 µm)	(50% < 500 nm, 98% < 1 µm)		(50% < 500 nm, 98% < 1 µm)	(50% < 500 nm, 98% < 1 µm)
WAX DISPERSIONS	upon request	DEUREX® EO 4508 W	DEUREX® E 0908 W	DEUREX® T 3908 W	upon request	DEUREX® P 3808 W	DEUREX® X 5505 W	upon request	DEUREX® S 3208 W
TYPICAL PARTICLE SIZE		(50% < 3 µm, 98% < 8 µm)	(50% < 3 µm, 98% < 8 µm)	(50% < 3 µm, 98% < 8 µm)		(50% < 3 µm, 98% < 8 µm)	(50% < 3 µm, 98% < 8 µm)		(50% < 2 µm, 98% < 5 µm)