

EMULSIFIABLE WAXES

DEUREX®
THE WAX COMPANY

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DEUREX AG
Dr.-Bergius-Straße 8-12
D-06729 Elsterau
phone +49 (0) 34 41 - 8 29 29 29
fax +49 (0) 34 41 - 8 29 29 28
www.deurex.com
info@deurex.com

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 objectionable quality is assured within the scope of our general terms and conditions. 11/20

**EMULSIFIABLE WAXES
AND THEIR CORRESPONDING LIQUID VERSIONS**

Chemical Character	Oxidized HDPE waxes	Oxidized LDPE waxes	Oxidized Fischer-Tropsch waxes	Paraffins	Hybrid waxes	Bio based Carnauba waxes	Bio based Sugar cane waxes
Emulsifiable waxes	DEUREX [®] EO 45 DEUREX [®] EO 46 DEUREX [®] EO 47	DEUREX [®] EO 75 DEUREX [®] EO 76 DEUREX [®] EO 77 DEUREX [®] EO 78	DEUREX [®] TO 82 DEUREX [®] TO 83 DEUREX [®] TO 84	DEUREX [®] T 15 DEUREX [®] T 16	DEUREX [®] H 81 DEUREX [®] H 85	DEUREX [®] X 55 DEUREX [®] H 73	DEUREX [®] X 52

INDUSTRIES

- Adhesives
- Agrochemicals
- Care products
- Construction chemicals
- Deforming lubricants
- Fruit coatings
- Inks and Coatings
- Lacquers
- Leather
- Organic Coatings
- Paper
- Polishes
- Textiles

· Hard waxes

- Overprint varnishes
- Can & Coil coatings
- Temperature stability
- Anti blocking
- Slip agent
- Mar resistance
- Abrasion resistance
- Dispersing agent
- FDA approvals
- **Water repellency**
- Gloss
- Lubricant
- Dispersing agent
- FDA approvals

· Soft, flexible waxes

- Paper, Leather industry
- Perfect price performance
- Textile finishing
- Sewability
- Anti blocking
- Slip agent
- Abrasion resistance
- Water repellency
- Gloss
- Lubricant
- Dispersing agent
- FDA approvals
- Citrus fruit coatings

- 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)

· Improved tackiness

- Lubricant
- **Oil free paraffin**
- Viscosity regulation
- Adhesion at high temperatures
- Water repellency
- Improved gloss
- Slip agent
- FDA approvals
- Bestseller in paper applications

- Homogeneously melted hybrids
- **Contain renewable and synthetic waxes**
- Care products and polishes
- Provide silky gloss
- Water repellency

· Bio based waxes

- Based on food additives
- E 903 Carnauba, E 905 Micro-crystalline waxes
- **Direct food can coatings**
- **Direct food packaging**
- Edible colours
- Anti blocking
- Slip agent
- Mar resistance
- Abrasion resistance
- Water repellency
- Gloss

- Renewable
- **Biodegradable**

- Compostable (DIN EN 13432)
- For bio based applications
- Easy to emulsify
- Moisture proof
- Water repellency
- Viscosity regulation
- Slip agent
- Anti blocking
- Very flexible
- Easy incorporation

DROP POINT °C	~ 138	110 - 1113	96 - 114	47 - 65	80 - 100	81 - 95	78 - 82
VISCOSITY @140°C, mPas	3,000 - 9,000	< 20	< 20	< 5	< 40	< 40	< 40
WAX EMULSIONS 50 % < 200 nm, 98 % < 1 µm	DEUREX [®] EO 4501 W	upon request	DEUREX [®] TO 8201 W	DEUREX [®] T 1601 W	DEUREX [®] H 8101 W	DEUREX [®] X 5501 W	DEUREX [®] X 5201 W