

# MASTERWAX®

A brand of **DEUREX®**

## MASTERWAX® 1.0



### Typical behavior of Silica and waxes in water

#### MICRONIZED WAX

DEUREX® E 0920 M  
Density: 0.95 g/cm<sup>3</sup> without emulsifier  
Particle size: 8 µm (D50)

#### WATER

Density: 1.0 g/cm<sup>3</sup>

#### MICRONIZED SILICA

DEUREX® S 3012 M  
Density: 2.65 g/cm<sup>3</sup> without emulsifier  
Particle size: 5 µm (D50)



### Behavior of MASTERWAX® 1.0 in water

#### MASTERWAX® 1.0

##### BENEFITS:

- Density: ~ 1.0 g/cm<sup>3</sup> without emulsifier
- Particle size: 5-7 µm (D50)
- Product floats in water, oils and monomers
- No emulsifiers, no stabilizers, no defoamer

- **SILICA:** high matting
- **PFT wax:** outstanding scratch resistance and hardness
- **PE wax:** excellent abrasion
- **FT wax:** high scratch resistance

**RESULT:** Production of emulsifier free and foam free dispersions.

Benzoin coated waxes · Chemical resistance ·  
size · Degassing agents · Diamond coated wax  
particles · Free flow agents · Masterwax 1.0 ·  
additives · Micronized PTFE · Micronized waxes  
· Surface protection · Texturing agents · Benzoin  
properties · Cost savings · Defined particle size  
to disperse · Extreme hardness · Finest wax par  
agents · Micronized Benzoin · Micronized add  
amide coated waxes · Silica coated waxes · Sur  
waxes · Chemical resistance · Combined prop  
sing agents · Diamond coated waxes · Easy to  
· Free flow agents · Masterwax 1.0 · Matting a  
· Micronized PTFE · Micronized waxes · Polyar  
protection · Texturing agents · Benzoin coated  
· Cost savings · Defined particle size · Degassi  
se · Extreme hardness · Finest wax particles · F  
· Micronized Benzoin · Micronized additives ·  
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Chemical resistance · Combined properties · C  
· Diamond coated waxes · Easy to disperse · E  
agents · M  
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Texturing  
· Defined  
hardness  
Benzoin ·  
Silica coo  
sistance ·  
coated waxes · Easy to disperse · Extreme hard

## DEUREX®

THE WAX COMPANY

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combined properties · Cost savings · Defined part  
· Easy to disperse · Extreme hardness · Finest w  
matting agents · Micronized Benzoin · Micronized

## MICRONIZED COATED WAXES

Degassing agents · Diamond coated waxes · Ea  
es · Free flow agents · Masterwax 1.0 · Matting  
es · Mic  
es · Poly  
in coated  
Degas  
particles  
additive  
e coated waxes · Silica coated waxes · Surface  
waxes · Chemical resistance · Combined propertie  
agents · Diamond coated waxes · Easy to dispe  
flow agents · Masterwax 1.0 · Matting agents  
ronized PTFE · Micronized waxes · Polyamide  
protection · Texturing agents · Benzoin coated wax  
savings · Defined particle size · Degassing age  
me hardness · Finest wax particles · Free flow  
ized Benzoin · Micronized additives · Microniz  
es · Silica coated waxes · Surface protection ·  
Chemical resistance · Combined properties · Cost sav  
nd coated waxes · Easy to disperse · Extreme  
Masterwax 1.0 · Matting agents · Micronized  
· Micronized waxes · Polyamide coated waxes  
g agents · Benzoin coated waxes · Chemical re  
efined particle size · Degassing agents · Diam  
ss · Finest wax particles · Free flow agents · Ma  
· Micronized additives · Micronized PTFE · Mi  
ated waxes · Surface protection · Texturing age  
combined properties · Cost savings · Defined

## DEUREX®

THE WAX COMPANY

**MICRONIZED COATED WAXES**

DEUREX waxes



heat, air →

Micronization



+

Micronized additives



=

Micronized coated waxes



**Benefits of micronized coated waxes in general:**

Combined properties of micronized waxes and additives  
 Micronized waxes with defined particle size  
 Easy to disperse waxes  
 Dispersable in water and solvents  
 Less usage of additives (polymers and coating material)  
 Savings in material costs

**Surface protection without gloss reduction**

Micronized polyamide coated waxes

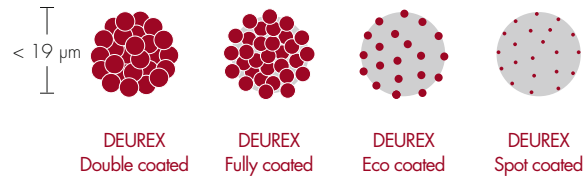
- DEUREX A 6619 M
- DEUREX A 6721 M
- DEUREX A 66 TEX

**Extreme hardness and scratch resistance**

Micronized diamond coated waxes

- DEUREX D 6515 M
- DEUREX D 6520 M
- DEUREX D 6565 M
- DEUREX D 65 TEX

**Four coating stages**



**Scratch resistance for paints and coatings**

Micronized PTFE coated waxes

- DEUREX F 6114 M
- DEUREX F 6214 M
- DEUREX F 6310 M
- DEUREX F 6314 M
- DEUREX F 6414 M

**Texturing agents for paints and coatings**

TEX series

MASTERWAX TEXTURE

- DEUREX A 66 TEX
- DEUREX D 65 TEX
- DEUREX F 61 TEX
- DEUREX F 62 TEX
- DEUREX F 63 TEX
- DEUREX F 64 TEX
- DEUREX P 36 TEX

**Matting and free flow agents**

Micronized Silica coated waxes

- MASTERWAX<sup>®</sup> 1.0
- DEUREX S 3119 M
- DEUREX S 3219 M
- DEUREX S 3319 M
- DEUREX S 5519 M

**Degassing agents for powder coatings**

Micronized Benzoin coated waxes

- DEUREX B 66 A