

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

● **POLYAMID coated waxes**

- Good grindability
- No gloss reduction
- Degassing agent
- Good anti-blocking and slip

DEUREX A series

● **DIAMOND coated waxes**

- Offers extreme hardness and thus scratch resistance

DEUREX D 6520 M

● **SILICA coated waxes**

- Works as free flow agent and additionally offers matting effects

DEUREX S series

● **BENZOIN coated waxes**

- Works as degassing agent in powder coatings

DEUREX B 66 A

● **PTFE coated waxes**

- Offers best chemical resistance as well as scratch resistance and slip

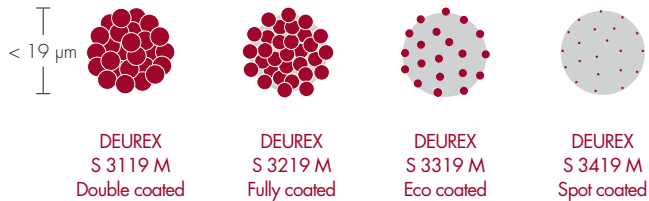
DEUREX F series

● **TEXTURING AGENTS**

- Constant texture and structure of the finished surface for paints and coatings

DEUREX TEX series

Four coating stages on the example of silica coated waxes



SILICA PROPERTIES DOMINATE
 Matting
 Free flow
 Chemical resistance

WAX PROPERTIES DOMINATE
 Lubricity
 Flexibility
 Water repellency

Benzoin coated waxes · Chemical resistance ·
 size · Degassing agents · Diamond coated wax
 particles · Free flow agents · Masterwax 1.0 ·
 additives · Micronized PTFE · Micronized wax
 · Surface protection · Texturing agents · Benzoin
 properties · Cost savings · Defined particle size
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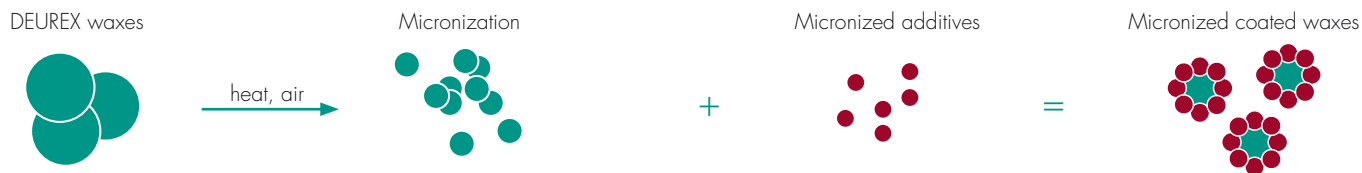
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 · Easy to disperse · Extreme hardness · Finest w
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MICRONIZED COATED WAXES

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MICRONIZED COATED WAXES



Matting agents

Micronized Silica coated waxes

DEUREX S 3119 M
DEUREX S 3219 M
DEUREX S 3319 M
DEUREX S 3419 M
DEUREX S 5519 M
MASTERWAX[®] 1.0



Texturing agents

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

Extreme hardness

Micronized diamond coated waxes

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

Surface protection

Micronized polyamide coated waxes

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

Degassing agents

Micronized Benzoin coated waxes

DEUREX B 66 A

Scratch resistance

Micronized PTFE coated waxes

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



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/cm³ without emulsifier
Particle size: 8 μm (D50)

WATER

Density: 1.0 g/cm³

MICRONIZED SILICA

DEUREX[®] S 3012 M
Density: 2.65 g/cm³ without emulsifier
Particle size: 5 μm (D50)



Behavior of MASTERWAX[®] 1.0 in water

MASTERWAX[®] 1.0

BENEFITS:

- Density: ~ 1.0 g/cm³ without emulsifier
- Particle size: 5-7 μm (D50)
- Product floats in water, oils and monomers
- No emulsifiers, no stabilizers, no defoamer

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

RESULT: Production of emulsifier free and foam free dispersions.