



Technical Data Sheet

# DEUTERON WAX PE

Polyethylene Wax

**Deuteron**<sup>®</sup>  
ADDITIVES TO YOUR SUCCESS

## ■ Product Characteristic

Appearance	White Powder
Density	Approx. 0.94 g/cm <sup>3</sup>
Melting Point	101 °C
Particle Size	Approx. 5.5 µm



## ■ Product Description

Deuteron Wax PE is a micronized Polyethylene wax with a well-balanced performance profile. PE waxes are the first choice as economic materials with positive influence on mechanical stability and optical appearance. The use of Deuteron Wax PE leads to improved abrasion- and scratch resistance, nice matting and pleasant surface feel.

## ■ Application

Deuteron Wax PE is suitable for a wide range of applications including:

- › Wood and joinery coatings
- › Flexographic and gravure inks
- › Overprint varnishes
- › Metal coatings (can and coil coatings)
- › Powder coatings

The use of Deuteron Wax PE especially improves performance in:

- › Abrasion and scratch resistance
- › Rub resistance (printing inks)
- › Matting (conventional coatings and powder coatings)
- › COF (coefficient of friction) reduction

## ■ Dosage

0,5 - 3,0 % (calculated on the complete formulation) depending on binder, application and required properties.



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## ■ Processing

Deuteron Wax PE is easy to disperse and can be incorporated using a common high-speed stirrer. In low viscous systems it might be necessary to use a high shear dispersing unit to properly disperse the material.

Process temperature should be kept below 45°C (113°F)

It is possible to prepare a pre-mix of Deuteron Wax PE in a solvent phase at concentrations around 30 – 45 % (depending on the used solvents).

For water-based coatings please check also our highly concentrated and easy to use **Deuteron WD PE**.

## ■ Storage Conditions

24 months at room temperature and dry conditions. Storage temperature should not exceed 35°C.

## ■ Package Sizes

Paper bag (15 kg net)

## ■ Safety

According to Regulation (EC) No. 1272/2008 Deuteron Wax PE is not classified as a dangerous product and therefore does not need to be labelled.

For detailed information please refer to the Safety Data Sheet and Regulatory Information Sheet.

The documents are also available on our website

<https://www.deuteron.com/en/download-center/>

## ■ Deuteron: First class products for the coating industry

Deuteron GmbH successfully develops and sells innovative additives since 1977. Our product range consists of matting agents, anti-static additives, texturing additives, thickeners and UV initiators. In the course of our company history we have become an important partner of the national and international paint, lacquer and coating industry with sales partners around the globe.

This leaflet intends to give technical advice without warranty and does not claim to be complete.



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