



Technical Data Sheet

# DEUTERON WD PE

Polyethylene Wax dispersed in water

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

## Product Characteristic

Appearance	white suspension
Density	approx. 0.94 g/cm <sup>3</sup>
Melting point	101 °C
Particle size	approx. 5.5 µm
Active content	50 %
Viscosity	approx. 2400 mPa*s



## Product Description

Deuteron WD PE is an additive free dispersion of 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 WD PE leads to improved abrasion- and scratch resistance, nice matting and pleasant surface feel.

Deuteron WD PE is an easy to use liquid that is suitable for the use in auto dosage units. The dispersion is made without using dispersing additives, emulsifiers and defoamers and thus highly compatible without negative influence on the coating performance.

## Applications

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

- › Wood and joinery coatings
- › Flexographic inks
- › Overprint varnishes
- › Metal coatings

The use of Deuteron WD PE especially improves performance in:

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

## Dosage

0.5 - 6.0 % (calculated on the complete formulation) depending on binder, application and required properties.



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## ■ Processing

Deuteron WD PE is easy to disperse and can be incorporated using a common high-speed stirrer. It is recommended to add Deuteron WD PE while stirring to avoid eventual agglomeration caused by concentration differences.

## ■ Storage Conditions

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

## ■ Package Sizes

Plastic barrel (30 kg net)

## ■ Safety

According to Regulation (EC) No. 1272/2008 Deuteron WD 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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