



Technical Data Sheet

DEUTERON WAX PP

Modified Polypropylene Wax

Deuteron[®]
ADDITIVES TO YOUR SUCCESS

■ Product Characteristic

Appearance	white powder
Density	approx. 0.95 g/cm ³
Melting point	138 °C
Particle size	approx. 6 µm



■ Product Description

Deuteron Wax PP is a micronized modified Polypropylene wax with well-balanced properties and a good economic profile. Deuteron Wax PP is a universal product that can be used in solvent based, water based, 100 % (e.g. UV curable) systems and powder coatings.

The use of Deuteron Wax PP imparts elegant surface feel, good matting and excellent mechanical stability. In combination with silica it is possible to improve the polishing resistance and improve the settling properties of silica other heavy materials. In powder coatings Deuteron Wax PP leads to good degassing properties.

■ Applications

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

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

The use of Deuteron Wax PP especially improves performance in:

- › Matting with smooth and elegant feel
- › Burnishing / Polishing resistance
- › Reduced settling of silica and fillers
- › Anti-Blocking
- › Degassing

■ Dosage

0.5 - 3.0 % (calculated on the complete formulation) depending on binder, application and required properties.



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■ Processing

Deuteron Wax PP 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.

A pre-mix in water should contain a suitable cosolvent and about 2 % of an emulsifier. Suitable emulsifiers are ethoxylated grades (e.g. based on polysorbat or fat alcohols) with an HLB value of 15.

■ 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 PP 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.



DEUTERON GmbH
In den Ellern 2-4
28832 Achim, Germany

Phone: +49 (0) 421 48 99 03 -0
Fax +49 (0) 421 48 99 03 -60

Mail contact@deuteron.com
URL www.deuteron.com

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081-122148