

Product Characteristic

Appearance	slightly turbid liquid
Density	approx. 1.12 g/cm ³
Viscosity	approx. 20 mPa*s
Active Content	approx. 48 %
Solvents	Water
pH-Value	approx. 9



Product Description

Deuteron FF1 is a specific formaldehyde scavenger for water-based systems.

The addition of Deuteron FF1 reduces the free in-can formaldehyde content of the system. In addition, Deuteron FF1 can act as a formaldehyde scavenger in the dry film and regulates the formaldehyde content in the surrounding room.

It should be noted that the active substance in Deuteron FF1 is slowly depleted through reaction with formaldehyde.

Application

Deuteron FF1 is suitable for all aqueous formulations. In applications specifically sensitive to low concentrations of free formaldehyde Deuteron FF1 can be used to reduce the FFA content to an acceptable level.

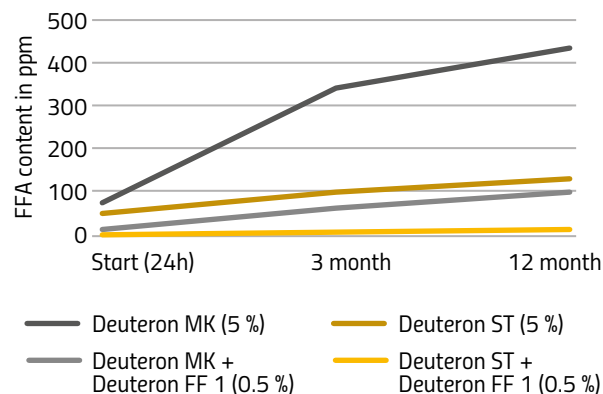
The use of Deuteron FF1 is especially recommended in combination with our PMU-based matting agents.

Potential technical benefits of Deuteron FF1:

- Reduction of the in-can free formaldehyde content (regulatory demands)
- Scavenger for free formaldehyde to reduce the indoor concentration

Dosage

0.5 - 2 % (calculated on the complete formulation) depending on binder, application and required properties. If Deuteron FF1 is to be used specifically to improve the room air, application quantities of up to 15 % are possible.



Example measurement with 5 % PMU-based additive in aqueous suspension (example representative of a dull matt coating system - due to the comparatively high water content in the preparation, the formaldehyde concentration rises higher than in a comparable, water-based lacquer system). Comparison of the concentration of free formaldehyde (FFA) with 0.5 % formaldehyde scavenger and without formaldehyde scavenger.



Technical Data Sheet

DEUTERON FF1

Formaldehyde Scavenger for Water-Based Systems

Deuteron[®]
ADDITIVES TO YOUR SUCCESS

■ Processing

Deuteron FF1 can be added at any stage of the manufacturing process. It is easily dispersible and should be added while stirring.

■ Storage Conditions

12 months at room temperature and dry conditions. Stir well before use. Storage temperature should fall between 5 °C and 35 °C.

■ Package Sizes

Plastic canister (25 kg net)
Plastic drum (200 kg net)

■ Safety

According to Regulation (EC) No. 1272/2008 Deuteron FF1 is classified as a dangerous product and therefore does 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://deuteron.com/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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