



Technical Data Sheet

DEUTERON FF2

Formaldehyde Scavenger for Water-Based Systems

Deuteron®
ADDITIVES TO YOUR SUCCESS

■ Product Characteristic

Appearance	slightly turbid liquid
Density	approx. 1.1 g/cm ³
Viscosity	< 25 mPa*s
Active Content	approx. 50 %
Solvents	Water
pH-Value	approx. 9



■ Product Description

Deuteron FF2 is a specific formaldehyde scavenger for water-based systems.

The addition of Deuteron FF2 reduces the free in-can formaldehyde content of the system. In addition, Deuteron FF2 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 FF2 is slowly depleted through reaction with formaldehyde.

■ Application

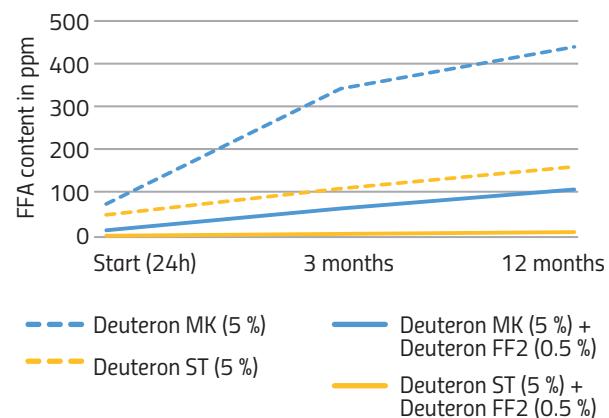
Deuteron FF2 is suitable for all aqueous formulations. In applications specifically sensitive to low concentrations of free formaldehyde Deuteron FF2 can be used to reduce the FFA content to an acceptable level. The use of Deuteron FF2 is especially recommended in combination with our PMU-based matting agents.

Potential technical benefits of Deuteron FF2:

- 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 FF2 is to be used specifically to improve the room air, application quantities of up to 15 % are possible.



Example measurement of the concentration of free formaldehyde in aqueous suspension: 5 % PMU-based additives with and without 0.5 % Deuteron FF2. Extreme example in water only, representative of a dull matt coating system. Due to the comparatively high water content in the preparation, the values are higher than in a water-based coating system.



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■ Processing

Deuteron FF2 can be added at any stage of the manufacturing process. It is easily dispersible and should be added while stirring.

■ Storage Conditions

When stored below 0 °C, the product may solidify and/or change consistency.

After warming to 20 – 25 °C and well stirring, the product can be used again without restriction.

Deuteron FF2 can be stored in sealed original packages at room temperature for at least 12 months.

■ Package Sizes

Plastic canister (20 kg net)

■ Safety

According to Regulation (EC) No. 1272/2008 Deuteron FF2 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://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. Today we are a strong and important partner of the national and international paint, lacquer and coating industry with sales agencies around the globe.

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



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