

Product Information

HYDREX® A Slurry

CAS NUMBER

12040-43-6

PRODUCT DESCRIPTION

HYDREX® A slurry Magnesium Aluminosilicate has low pH, medium particle size, high brightness and oil absorption. These properties together with superior light scattering power and unique structure provide high performance in paper filling and coating applications. The performance is primarily seen in paper as improved brightness, opacity, printability and friction. HYDREX® A slurry Magnesium Aluminosilicate is also suitable for partial or total TiO₂ replacement depending on the paper application and is suitable for acid and alkaline paper environments.

Typical Properties

Property	Unit	Value
Bulk Density	kg/m ³	1210
Chemical Name		Silicic acid, aluminum magnesium sodium salt
ISO Brightness	%	98
Linseed Oil Absorption	ml/100 g	100
Loss on Ignition	%	≤10
Particle Size d50	µm	6
pH Value 20% in Water		5
Refractive Index 20 °C		1.56

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Typical applications: paper

Product Composition

Product Composition	Unit	Value
Solids Content	%	30

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- Excellent opacifier
- High brightness
- Improved printability
- Low abrasion
- Controlled particle size and morphology
- High bulk

HANDLING & PROCESSING

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-Mail sds-im@evonik.com. We recommend to read carefully the safety data sheet prior to the use of our product.

SAFETY

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PACKAGING

For details regarding our packaging options for this product, please contact your local sales representative.

STORAGE

Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they

can absorb moisture and volatile organic compounds from the surrounding atmosphere. We therefore recommend storing the products in their original packaging (e.g. fully shrink-wrapped) or in sealed containers in a dry place away (or apart) from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content. For this reason, our recommended use-by date is 36 months

after date of manufacture. Product more than 36 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

SHELF LIFE

3 years

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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