

Bayhydrol[®] A 2846 XP

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|-------------------------|---|
| Characterization | Self-crosslinking hydroxyfunctional polyacrylate dispersion. Binder for the formulation of waterborne one and two component primers and topcoats. |
| Form supplied | approx. 40 % in water, neutralized with ammonia |

Characteristic data*

| Property | Value | Unit of measurement | Method |
|--|------------|---------------------|---------------------|
| Non-volatile content (1 g/1 h/125 °C, convection oven) | approx. 40 | % | DIN EN ISO 3251 |
| Viscosity at 23 °C, ($D = \text{ca. } 40 \text{ s}^{-1}$) | approx. 50 | mPa·s | DIN EN ISO 3219/A.3 |
| pH (1 : 3 in demineralised water) | approx. 7 | | DIN EN ISO 976 |

*These values are provisional. Binding supply specifications will not be available until the final product data sheet is published.

Other data**

| Property | Value | Unit of measurement | Method |
|---|-------------|---------------------|-------------------|
| Density at 20 °C | approx. 1.1 | g/ml | DIN EN ISO 2811-2 |
| Hydroxyl content, solvent-free, calculated | approx. 1.5 | % | |

**These values provide general information.

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Properties / Applications

Bayhydrol[®] A 2846 XP is a self-crosslinking hydroxyfunctional acrylic dispersion developed for the formulation of both one and two component clear and pigmented primers and topcoats. Coatings based on Bayhydrol[®] A 2846 XP show good chemical resistance, high film hardness, early sandability and fast blocking resistance development. Chemical resistance of Bayhydrol[®] A 2846 XP can be enhanced by the addition of an anionic hydrophilically modified polyisocyanate, such as Bayhydrol[®] XP 2655. Bayhydrol[®] A 2846 XP can be combined with polyurethane dispersions or other acrylic dispersions, after checking the specific product compatibility. Bayhydrol[®] A 2846 XP is specially recommended for wood coatings application.

Storage

- Storage in original sealed Bayer MaterialScience containers.

- Recommended storage temperature: > 0 - 30 °C.

- Protect from frost, heat and foreign material.

General information: The product is sensitive to frost. Prolonged freezing can damage the product irreversibly. Prolonged storage at higher temperatures may result in a decrease of viscosity and/or an increase of average particle size, possibly resulting in sedimentation or coagulation.

Contamination with certain bacteria, fungi or algae may render the product unusable.

Storage time

Bayer MaterialScience represents that, for a period of six months following the day of shipment as stated in the respective transport documents, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, what ever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately.

The lapse of the six months period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Bayer MaterialScience recommends to test such a product if it still meets the specifications or the set values. Bayer MaterialScience does not make any representation regarding the product after the lapse of the six months period and Bayer MaterialScience shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the six months period.

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Labeling and REACH applications

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently **valid Safety Data Sheet**.

Important

This is a Trial Product of which we do not yet have extensive experience. No guarantee can therefore be given regarding the behaviour of the product during processing or use.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

This product is not designated as „Medical Grade“¹ and therefore shall not be considered a candidate for the manufacture of a medical device or of intermediate products for medical devices, which are intended under normal use to be brought into direct contact with the patient's body (e.g., skin, body fluids or tissues, including indirect contact to blood)*. This product is also not designated for Food Contact², including drinking water, or cosmetic applications. If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices, for Food Contact products or cosmetic applications Bayer MaterialScience must be contacted in advance to provide its agreement to sell such product for such purpose. Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices, for Food Contact products or cosmetic applications must be made solely by the purchaser of the product without relying upon any representations by Bayer MaterialScience. 1) Please see the "Guidance on Use of Bayer MaterialScience Products in a Medical Application" document. 2) As defined in Commission Regulation (EU) 1935/2004.

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