



From soft-feel to self-healing wood coatings:
Everything is possible with the **Bayhydrol® U** portfolio.

Bayhydrol® U



From soft-feel to self-healing wood coatings: Everything is possible with the **Bayhydrol® U** portfolio.

	Solid content (%)	OH content (%)	Visc. at 23°C (mPa · s)
Bayhydrol® U 2750	41	3.6	< 1,000
Bayhydrol® U 2757	52	1.8	< 1,500
Bayhydrol® U XP 2766	37	4.0	< 1,000
Bayhydrol® U 2755/1	35	3.0	< 1,000

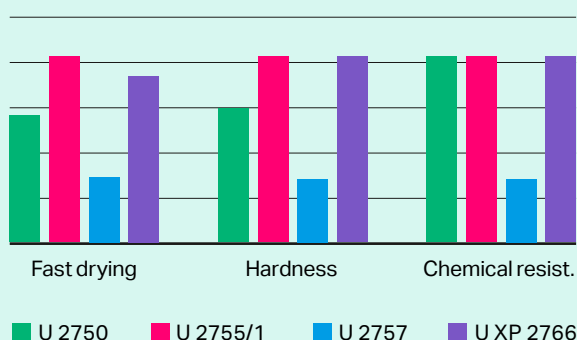
Our new generation of purely waterborne OH-functional polyurethane dispersions (PUD) has further improved the performance of waterborne, environmentally friendly 2K polyurethane coatings. The coating films made with the new **Bayhydrol® U** dispersions display a wide spectrum of properties, ranging from hard through to flexible or even a pleasant velvety soft feel, and thus provide a toolbox for the formulation of almost any specific coating. Depending on the **Bayhydrol®** grade chosen and application requirements, final coatings with very low VOC content are possible.



Bayhydrol® U will enable you to formulate widely varying polyurethane-based coatings that fulfill the highest performance demands and current or upcoming environmental standards in this industry:

- **Bayhydrol® U 2750** – an elastic PUD that allows you to formulate high-gloss wood coatings with high scratch resistance and self-healing properties.
- **Bayhydrol® U 2757** – a very elastic PUD recommended for achieving natural and soft-feel effects.
- **Bayhydrol® U XP 2766** – a hard dispersion with a very high gloss, especially in pigmented systems.
- **Bayhydrol® U 2755/1** – a very fast drying PUD with very high hardness and excellent chemical resistance.

The values show the performance of these binders in a 2K formulation crosslinked with Bayhydrol® 2655 (80% in MPA); NCO: OH ratio 1.5.



Why not take an in-depth look at the opportunities our **Bayhydrol® U** open up for you and your customers?

The manner in which you use our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, is beyond our control. Therefore, it is imperative that you test our products to determine suitability for your processing and intended uses. Your analysis must at least include testing to determine suitability from a technical, health, safety, and environmental and regulatory standpoint. Such testing has not necessarily been done by Covestro, and Covestro has not obtained any approvals or licenses for a particular use or application of the product, unless explicitly stated otherwise. [EMEA only: If the intended use of the product is for the manufacture of a pharmaceutical/medicinal product, medical device¹ or of pre-cursor products for medical devices or for other specifically regulated applications which lead or may lead to a regulatory obligation of Covestro, Covestro must explicitly agree to such application before the sale.] Any samples provided by Covestro are for testing purposes only and not for commercial use. 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, including technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed by you that you assume and hereby expressly release and indemnify us and hold us harmless 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. ¹ Please see the "Guidance on Use of Covestro Products in a Medical Application" document. Edition: 2021 · Printed in Germany



Covestro Deutschland AG
Kaiser-Wilhelm-Allee 60
51373 Leverkusen
Germany

solutions.covestro.com
info@covestro.com