



Desmophen® NH Desmodur® N Bayhydro® Bayhydur®

Windmill PU Coating Solutions

Environmentally Friendly High Efficiency Durable



Covestro PU Coating Solutions - Providing all rounded coating solutions for windmills

High Solid Content Pasquick® Polyaspartate Technology

Based on Desmophen® NH and Desmodur® N

Applicable in

- **High solid putty based on Pasquick®**
- **High solid gel coat based on Pasquick®**
- **Leading-Edge High-Performance Protection Coating**

Advantage:

- Environmental Friendliness: low VOC and odor emission
- Weather Resistance: After long exposure to sunlight, no pulverization, no dehiscence, no fall off
- Constructability: Balance construction and consolidation time
- Mechanical Property: High abrasion resistance, can go under helicopter rain erosion test
- Construction Efficiency: Single layer coating can build thick membrane

2K PU Waterborne Technology

Based on Bayhydrol® and Bayhydur®

Applicable in:

- **2K PU waterborne top coat**

Advantage:

- Environmental Friendliness: low VOC and odor emission
- Weather Resistance: After long exposure to sunlight, no pulverization, no dehiscence, no fall off
- Constructability: 2K, convenient for hand mix
- High Mechanical Property: Tough and hard coating membrane, high abrasion resistance, wind and sand resistant
- Construction Efficiency: high foaming tolerance for high thickness

As one of the best choices for renewable energy resources, many countries have made strategic sustainable development plans for wind power industry. China, after huge development in wind power industry, new installed capacity has reached the top of the world. During the fourteenth Five-Year Plan, non-fossil energy would keep increasing, pushing further development for the wind power industry.

Wind turbines are usually installed in rural area, windmill fan blade speed can go up to 300km/h, huge impact and corrosion can be caused by sand, rain or wind, affecting the aerodynamic structure of the fan blade, lowering the power generation efficiency or even stop working.

Covestro has developed a whole system of highly functional environmentally friendly coating solutions, focusing on increasing the service life of the fan blades and power generation efficiency, contributing to the development of wind power industry.



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, information and recommendations 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 Covestro. 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 presentation may contain forward-looking statements based on current assumptions and forecasts made by Covestro AG. Various known and unknown risks, uncertainties and other factors could lead to material differences between the actual future results, financial situation, development or performance of the company and the estimates given here. These factors include those discussed in Covestro's public reports which are available on the Covestro website at www.covestro.com. Covestro assumes no liability whatsoever to update these forward-looking statements or to conform them to future events or developments.

Edition: 2021-11 · Order-No.: OP-96 · Printed in China



Covestro (Shanghai) Investment Co., Ltd.
Coatings & Adhesives
No.33 Qin Qiao road,
Shanghai, China 201206

solutions.covestro.com