



Desmophen® CQ NH Desmodur®

Increasing productivity and economic efficiency: **Pasquick**® polyaspartic technology in industrial applications.



Desmophen® CQ NH, Desmodur® N

Increasing productivity and economic efficiency:

Pasquick® polyaspartic technology in industrial applications



The challenge: increased productivity

Productivity is a very important factor in reducing process costs in the agricultural, construction and earthmoving equipment (ACE) and other industries. In close cooperation with our coating solutions' manufacturer, we can answer these industries' needs and improve their customers' paint processes.

The solution: Pasquick® polyaspartic technology

Pasquick® is the brand name for our polyaspartic technology. Polyaspartics are a class of binders for high-quality, aliphatic 2K topcoats based on the **Desmophen® CQ NH** and **Desmodur® N** product groups. Since they can be applied at high film thicknesses, a reduction in the number of layers is possible, making the coating process more economical. Depending on the substrate, even single-layer direct-to-metal (DTM) coatings can be considered.

Since **Pasquick®**-based coatings also cure quickly at room temperature, they are ideally suited to increasing the productivity of painting operations. And increased productivity helps to make the coating process more economical for the applicator. For example, energy costs are lower since the fast drying at room temperature means no stoving in a curing oven is required. Furthermore, the **Pasquick®** polyaspartic technology is suitable for the formulation of ultra-high solids.

The most suitable Desmophen® CQ NH aspartic products for industrial coatings

Product	Equivalent weight	Comment
Desmophen® CQ NH 1420	278	Medium reactivity
Desmophen® CQ NH 1423 LF	272	Medium reactivity*
Desmophen® CQ NH 1520	290	Low reactivity
Desmophen® CQ NH 1523 LF	280	Low reactivity*

* Improved industrial hygiene / better gloss retention than **Desmophen® CQ NH 1420/ -1520**

The crosslinkers that best fit these products are **Desmodur® ultra N 3600** and **Desmodur® ultra N 3900**.

Numerous practical examples of coating applications have proven the advantages of this technology over the past 15 years or more.

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. These values are typical values only. Unless explicitly agreed in written form, they do not constitute a binding material specification or warranted values.

¹Please see the "Guidance on Use of Covestro Products in a Medical Application" document. Edition: 2025



Covestro Deutschland AG
Business entity Coatings
& Adhesives
Kaiser-Wilhelm-Allee 60
51373 Leverkusen
Germany

solutions.covestro.com