Desmophen® Desmodur®

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

covestro

Desmophen® NH, Desmodur® N

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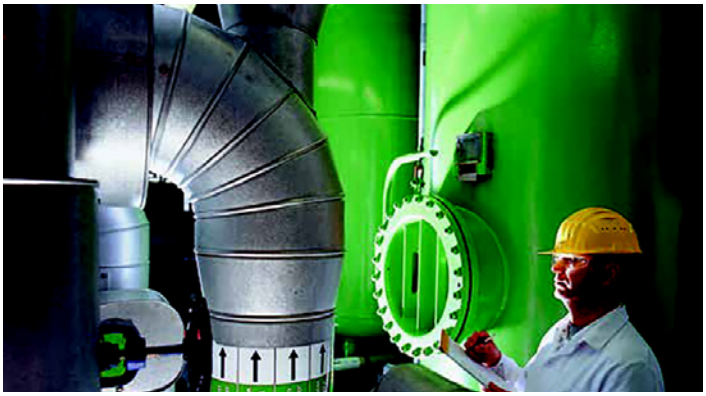

The most suitable Desmophen® NH aspartic products for industrial coatings

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

* Better gloss retention and improved industrial hygiene compared to **Desmophen® NH 1420/1520**.

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® 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 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.

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