



Desmophen® Desmodur®

Changing the coatings game:
Pasquick® for high-productivity applications



Desmophen® NH, Desmodur® N

Changing the coatings game: Pasquick® for high-productivity applications

Infrastructure



Industrial processing



The challenge – higher productivity:

Protective coating manufacturers are often challenged when it comes to increasing the productivity of painting operations. This is especially true for the fast-growing market of direct-to-metal (DTM) coatings.

The solution – Pasquick®:

Pasquick® is our polyaspartic technology brand. Pasquick® technology is a class of binders for high-quality, aliphatic 2K top-coats based on the Desmophen® NH and Desmodur® N product groups. They can be applied at high film thicknesses, so that the number of layers can be reduced. Since Pasquick® binders also cure quickly at room temperature, they are ideally suited to boosting productivity in painting operations. The higher the productivity, the more economical the coating process becomes.

Another advantage of Pasquick® binders is their suitability for formulating ultra-high solids. Numerous practical examples of protective coating applications, e.g., for wind turbine towers, have proven the advantages of this technology over the past 15 years. This is also reflected in the revised ISO 12944 version, where polyaspartics are now specified. By using our high-productivity Pasquick® technology you can change the coatings game – to your advantage!

Most suitable Desmophen® NH aspartic products for protective coatings

PRODUCT	SOLID CONTENT [%]	EQUIVALENT WEIGHT	VISCOSITY [mPa · s]	REACTIVITY
Desmophen® NH 1420	100	276	Approx. 1,500	Medium
Desmophen® NH 1423	100	272	Approx. 1,500	Medium*
Desmophen® NH 1520	100	290	Approx. 1,500	Low

* Better gloss retention than NH 1420.

Most suitable Desmodur® N polyisocyanates for protective coatings

POLYISOCYANATE	SOLID CONTENT [%]	NCO CONTENT [%]	VISCOSITY [mPa · s]	PROPERTIES
Desmodur® ultra N 3600	100	23.0	1,200	For ultra-high solids
Desmodur® ultra N 3390	90	19.6	500	For high solids
Desmodur® XP 2763	86	10.2	2,100	For prolonged pot life



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