Desmophen® Desmodur®

New Pasquick® – opens the door to very fast ambient curing in the rail and transportation coatings industry

covestro

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Pasquick® – opens the door to very fast ambient curing

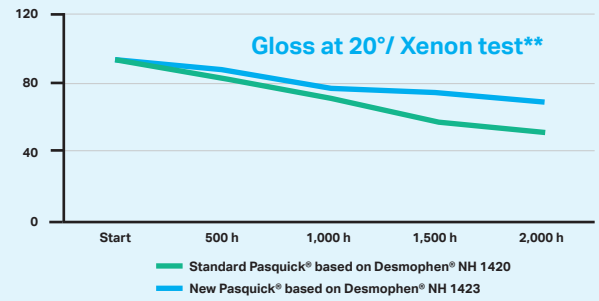
Heating the drying oven up to 60°C is one of the most expensive cost factors in coating rail and other transportation vehicles.

Thanks to our new Pasquick® technology, clearcoats and topcoats can be quickly cured at room temperature. Our latest Pasquick® developments combine a very fast, ultra-high solid system with best-in-class industrial hygiene standards.

How you benefit from new Pasquick® based on Desmophen® NH 1423 and Desmodur® ultra N 3600:

- Very fast drying at room temperature with no need for additional oven time:
  - Clearcoat: 30–45 min at room temperature
  - Pigmented topcoat: 60 min at room temperature
- Further improves the industrial hygiene standard of proven polyaspartic technology thanks to a low FADEE* component (<0.1%) and a reduced residual monomer content (<0.1%) of the polyisocyanate – in line with measures recommended in safety data sheets
- Easily complies with VOC regulation (up to 250 g/l VOC) thanks to low viscous, very high solid systems
- High gloss retention of clearcoat and pigmented topcoats

Improved gloss retention of pigmented topcoats. New Desmophen® NH 1423 compared to standard polyaspartics



** Xenon test according to ISO 16474/2 A, Cycle 1

Polyaspartic technology has proved its worth in various industries for many years (e.g., corrosion protection, construction, automotive). Through using our new Desmophen® NH and Desmodur® ultra products for ambient-curing Pasquick® technology, rail and other transportation vehicles can be coated in a more energy-saving and cost-efficient way, while achieving the highest standards in industrial hygiene.

Why not take an in-depth look at the opportunities Pasquick® opens up for you and your customers?

New Pasquick® based on Desmophen® NH and Desmodur® ultra

PRODUCT	SUPPLY FORM SOLID CONTENT [%]	APPROX. EQUIVALENT WEIGHT	VISCOSITY AT 25°C [MPA · S]	INDUSTRIAL HYGIENE IMPROVEMENTS
Desmophen® NH 1423	100	272	1,500	Low FADEE* content <0.1%

* FADEE = Fumaric acid diethylester

Most suitable polyisocyanate for rail and transportation coatings:

PRODUCT	SUPPLY FORM SOLID CONTENT [%]	APPROX. EQUIVALENT WEIGHT	APPROX. NCO CONTENT ON SUPPLY FORM AT 23°C	VISCOSITY AT 25°C [MPA · S]	INDUSTRIAL HYGIENE IMPROVEMENTS
Desmodur® ultra N 3600	100	185	23	1,200	Residual monomer content <0.1%

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