Pasquick®: Two-component fast-curing polyaspartic technology for automotive refinish coatings.

Pasquick®

covestro

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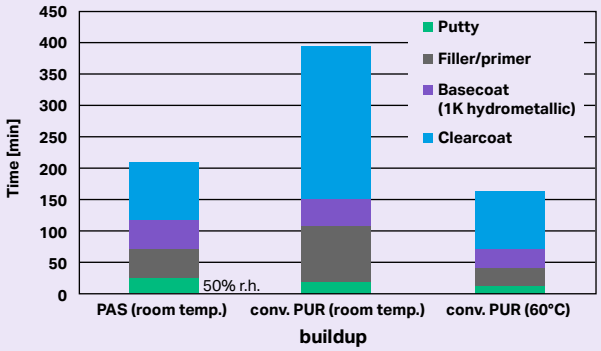
Cutting application time with Pasquick®



Technology-optimized bodyshop throughput:

For a quick repair process, polyaspartic-based clearcoats cure in minutes and much faster than standard 2K polyurethane topcoats. Low-odor knifing putties based on highly reactive aspartates and low-viscosity polyisocyanates can be formulated for easy application, rapid dry sandability and good adhesion to metal. Primer surfacers based on this technology are characterized by extremely fast-drying sandability. For manufacturers of repair coating systems looking for efficiency improvements in the whole repair process, these systems offer substantial savings in both cycle times and energy consumption while fulfilling end users' high quality requirements.
In short, **Pasquick®** refinish coating systems are "speed in a can"!

Desmophen® CQ NH 1523 LF and Desmophen® CQ NH 1423 LF:

Expanded low FADEE* content polyaspartic ester portfolio to offer solutions in line with refinish requirements and upcoming regulations.

Desmophen® CQ NH 1423 LF in combination with **Desmophen® CQ NH 1523 LF** produce fast-drying ambient curing clearcoats.

- Prolong the potlife and application robustness under high temperature humidity conditions
- Bring better color stability
- Improve industrial hygiene standards thanks to a FADEE content below 0.1%

* FADEE = **F**umaric **A**cid **di**-**E**thyl **E**ster

Products:

Desmophen® CQ NH polyaspartic esters are low-viscosity aminofunctional resins developed for use in high solids 2K refinish coatings. Advanced combination partners for aspartates are newly developed **Desmodur® ultra N** aliphatic polyisocyanates. The most comprehensive raw material portfolio from Covestro offers unique formulation opportunities for coatings:

- Fast drying at room temperature without need for extra oven time
- Low-viscous, very high solids systems (up to 250 g/l VOC)
- Flexible but scratch-resistant
- UV-stable and weather-resistant

A selection of recommended products for polyaspartic systems in automotive refinish coatings:

Product	Description	Reactive groups (approx. content)	Properties
Desmophen® CQ NH 1423 LF	Aminofunctional coreactant – standard and low FADEE content	NH value 205	Similar to NH 1420, improved industrial hygiene. Better color stability in clearcoat applications and improved application robustness
Desmophen® CQ NH 1523 LF	Aminofunctional coreactant – low reactivity and low FADEE content	NH value 200	Similar to NH 1520, improved industrial hygiene. Better color stability in clearcoat applications and improved application robustness
Desmophen® CQ NH 1420	Aminofunctional coreactant – standard	NH value 201	Medium reactivity, fast drying
Desmophen® CQ NH 1520	Aminofunctional coreactant – low reactivity	NH value 191	Low reactivity, coresin – expanded working time
Desmophen® CQ NH 1723 LF	Low reactivity – low viscosity	NH Value 195	Coresin for increased flexibility, improved industrial hygiene
Desmodur® ultra N 3600	Low-viscous HDI trimer – standard	NCO 23.0%	Standard crosslinker with balanced properties
Desmodur® ultra N 3790	BA high-functional HDI trimer	NCO 17.8%	Fast drying, high functionality and chemical resistance
Desmodur® utra N 3900	Low-viscous HDI trimer – lowest viscosity	NCO 23.5%	Low-viscous crosslinker with high crosslinking density
Desmodur® N 3580 BA	High-functional HDI allophanate/trimer	NCO 15.4%	Fast drying, highest functionality and chemical resistance

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