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

Pasquick®

covestro

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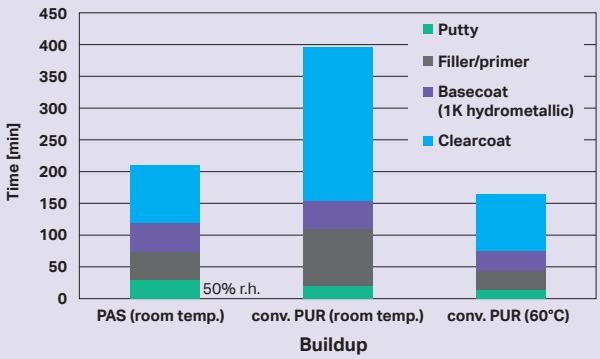
## Cutting application time with Pasquick®




### Desmophen® NH 1423: Newly developed low FADEE* content polyaspartic ester joins our portfolio

- Further improves industrial hygiene standards thanks to a FADEE content below 0.1%.
- In the meantime, the new product brings better color stability for improved application properties.

* FADEE = **F**umaric **A**cid **d**i-**E**thyl **E**ster

### Technology-optimzied bodyshop throughput:

For a quick repair process, polyaspartics-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 dry 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 the end users' high-quality requirements. In short, Pasquick® refinish coating systems are "speed in a can"!

### Products:

Desmophen® NH polyaspartic esters are low-viscosity amino-functional 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 |
|---|---|---|---|
| NEW Desmophen® NH 1423 | Aminofunctional coreactant – low FADE content | NH value 206 | Improved industrial hygiene & color stability, medium reactivity, fast drying |
| Desmophen® NH 1420 | Aminofunctional coreactant – standard | NH value 201 | Medium reactivity, fast drying |
| Desmophen® NH 1520 | Aminofunctional coreactant – low reactivity | NH value 191 | Low reactivity, coresin – expanded working time |
| Desmophen® NH 2850 XP | Aminofunctional coreactant – high flexibility | NH value 190 | Low reactivity, low viscosity – coresin for increased flexibility |
| Desmodur® ultra N 3600 | Low-viscous HDI trimer – standard | NCO 23.0% | Standard crosslinker with balanced properties |
| Desmodur® N 3790 | BA High-functional HDI trimer | NCO 17.8% | Fast drying, high functionality and chemical resistance |
| Desmodur® 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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