

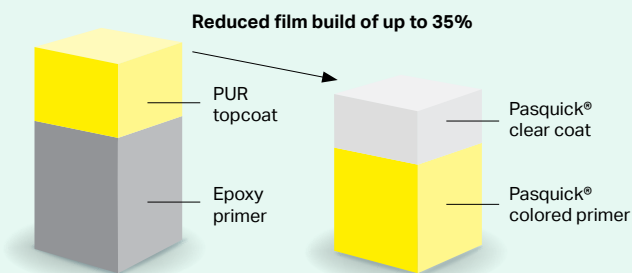


Desmophen® NH Desmodur®

Changing the coatings game: **Pasquick®**  
for ACE machinery, commercial vehicles,  
and transportation equipment



## Standard coating system vs. Pasquick®



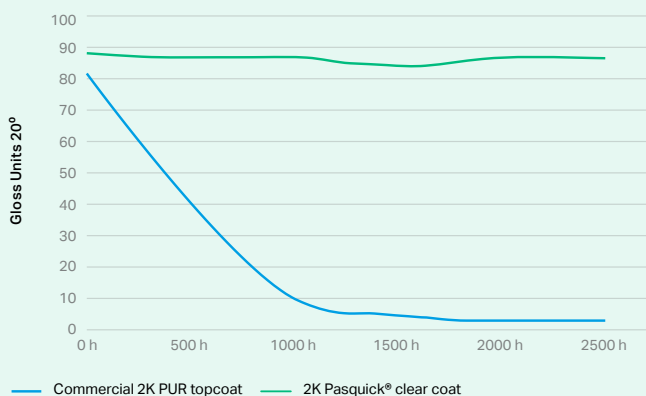
MOST SUITABLE ASPARTIC PRODUCT			
Product	Solid content/ %	Equivalent weight	Viscosity/ mPas
Desmophen® NH 1423 LF	100	274	approx. 1,500

MOST SUITABLE POLYISOCYANATE PRODUCT				
Product	Solid content/ %	Equivalent weight	Viscosity/ mPas	Comment
Desmodur® ultra N 3600	100	183	approx. 1,100	Standard hardener
Desmodur® 2873	100	341	approx. 600	Hardener for improved adhesion on metal

## Accelerated weathering test

### QUV-B test DIN EN ISO 16474/3 method C cycle 4

Commercial 2K PUR topcoat vs. 2K Pasquick® clear coat



## The challenge: Minimizing coating costs and CO<sub>2</sub> emissions

When coating agricultural, construction and earthmoving (ACE) machinery, commercial vehicles or transportation equipment, long-term protection is non-negotiable. What's more, these coatings also need strong gloss retention to keep the equipment shiny and new-looking, even after several years.

Traditionally, ACE machinery is coated with an epoxy or PUR primer and a PUR topcoat. But these systems must be oven-cured at high temperatures – which means high energy costs and CO<sub>2</sub> emissions. And to meet quality requirements, standard systems also often need specific film builds with high material costs. Equipment manufacturers need a way to reduce these costs and CO<sub>2</sub> emissions without compromising performance.

## The solution: Pasquick®

Our new coating approach – based on Pasquick® polyaspartic technology – provides a solution. Pasquick® technology is a class of binders for high-quality, ultra high solid aliphatic 2K coating systems based on the Desmophen® NH and Desmodur® N product groups. They cure under ambient conditions as quickly as standard systems with forced drying, eliminating the need for high-temperature curing. What's more, the film build of the new Pasquick® system can be reduced by up to 35% compared to standard systems, with comparable long-term protection.

In this way, Pasquick® can bring you savings in both costs and CO<sub>2</sub> emissions – plus reduced VOC emissions and improved gloss retention too.

## Key benefits:

- Ambient-temperature curing
- Lower VOC emissions
- Up to 35% lower film thickness
- Improved gloss retention
- Excellent long-term protection

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<sup>1</sup>Please see the "Guidance on Use of Covestro Products in a Medical Application" document.  
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