



Achieve excellent long-term appearance and improved productivity with Desmodur® 2873.

Desmodur®



## The challenge: Maintaining excellent appearance and ensuring DTM adhesion

Waterborne 2K PUR clear coats can achieve an excellent appearance when first produced – but coating manufacturers often struggle to find ways to maintain this appearance long-term, especially regarding gloss retention and scratch resistance. Furthermore, the low popping limit of waterborne 2K PUR clear coats is often a limitation for this technology.

Productivity can also suffer when it comes to painting operations. Using DTM (Direct-to-Metal) topcoats based on Pasquick®-polyaspartic technology is a key step towards increasing productivity. Thanks to Pasquick®, customers only need one coating layer and the coating dries significantly quicker than standard 2K PUR coatings. However, achieving good adhesion to the substrate can often be difficult.

## The solution – Desmodur® 2873

### Excellent long-lasting appearance

Desmodur® 2873 is a silane-modified aliphatic polyisocyanate that allows the formulation of high performance coatings. With Desmodur® 2873, coating manufacturers can achieve superior gloss retention and scratch resistance in waterborne 2K PUR clearcoats in comparison to standard polyisocyanates. This means that gloss retention remains high even with multiple washes in train washing facilities. The result is an excellent long term appearance, which is a crucial success factor for transportation coatings, for example in railways, trams, trucks and busses.

For passenger vehicles please consult your Covestro business partner

### Increased popping limit

Desmodur® 2873 significantly improves the popping limit of waterborne 2K PUR clearcoats, resulting in increased application reliability in comparison to standard polyisocyanates.

### Improved productivity

The use of Desmodur® 2873 in Pasquick®-polyaspartic based DTM topcoats can lead to improved adhesion on various substrates in comparison to standard isocyanates – a must for ACE (agriculture, construction and earth-moving equipment) and general industrial coatings.

Why not take an in-depth look at the opportunities Desmodur® 2873 opens up for you and your customers?  
Explore more: [coatings.covestro.com](https://coatings.covestro.com)



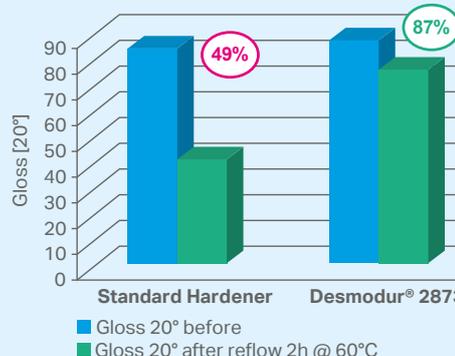
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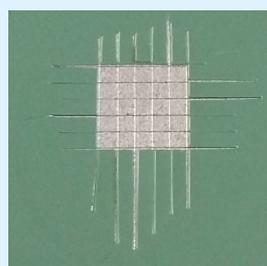


## High scratch resistance waterborne 2K PUR clear coat

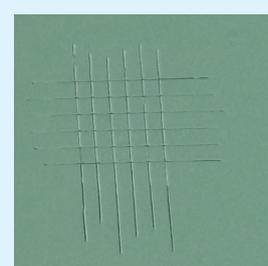
### Improved performance in Crockmeter – test



## Cross hatch test of Pasquick®-polyaspartic DTM topcoat



Standard hardener



Desmodur® 2873

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