High productivity plus good gloss retention
**Desmophen® NH 1423**
**High productivity plus good gloss retention**

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

**The challenge – higher productivity combined with good appearance**

Coating manufacturers are often challenged when it comes to increasing the productivity of painting operations. In addition to that, a good long-term appearance is a must for agriculture, construction and earthmoving (ACE) applications and high-value industrial/protective coatings.

**The solution – Pasquick®:**

Pasquick® is our polyaspartic technology brand. Pasquick® technology is a class of binders for low-VOC 2K topcoats based on the Desmophen® NH and Desmodur® N product groups. As high film thicknesses are possible in applying these binders, the number of layers can be reduced. Since Pasquick® binders also cure quickly at ambient temperature, they are ideally suited to boosting productivity in painting operations.

New Desmophen® NH 1423 combines the well-known productivity of Pasquick® technology with improved gloss retention. This makes it suitable for applications where a good long-term appearance is needed.

Moreover, improved industrial hygiene standards are important for the entire value chain. Covestro is committed to continually improving products and setting new standards, especially in the field of industrial hygiene. New Desmophen® NH 1423 opens up the possibility of further increasing product safety through a reduction in the residual fumaric acid-diethylester (FADEE) content.

By using Desmophen® NH 1423 you can combine the high productivity of Pasquick® technology with better gloss retention – to your advantage.

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**PRODUCT SOLID CONTENT [%] EQUIVALENT WEIGHT VISCOSITY [mPa·s]**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>SOLID CONTENT [%]</th>
<th>EQUIVALENT WEIGHT</th>
<th>VISCOSITY [mPa·s]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desmophen® NH 1423</td>
<td>100</td>
<td>272</td>
<td>Approx. 1,500</td>
</tr>
</tbody>
</table>

**Most suitable polyisocyanate**

<table>
<thead>
<tr>
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<th>VISCOSITY [mPa·s]</th>
</tr>
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<tbody>
<tr>
<td>Desmodur® ultra N 3600</td>
<td>100</td>
<td>185</td>
<td>1,200</td>
</tr>
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*X xenon test according to ISO 16474/2 A, Cycle 1.

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**Desmophen® Desmodur®**

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