SiliXan® Cat 500-25/PM

Type: Amine compound

Form supplied: Solution in 1-Methoxy2-propanol

Uses: Curing and drying catalyst for SiliXan binders, especially for the product class SiliXan U (urethane with silicon alkoxy groups). Good drying properties at room temperature and little yellowing. The abrasion resistance, chemical resistance and adhesion strength is improved in general.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Property</th>
<th>Value</th>
<th>Unit of measurement</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Viscosity at 23°C</td>
<td>7 ± 2</td>
<td>mPa*s</td>
<td>ISO 2555 (L1, 200 U/min)</td>
</tr>
<tr>
<td></td>
<td>Refractive index at 20°C</td>
<td>1,414 ± 0,001</td>
<td>DIN 51423-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water content</td>
<td>≤ 0,1</td>
<td>%</td>
<td>ISO 760</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other data</th>
<th>Property</th>
<th>Value</th>
<th>Unit of measurement</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Density at 23°C</td>
<td>0,95 ± 0,05</td>
<td>g/ml</td>
<td>DIN 12791 ISO 649</td>
</tr>
<tr>
<td></td>
<td>Flash point</td>
<td>38</td>
<td>°C</td>
<td>DIN ISO 3679</td>
</tr>
<tr>
<td></td>
<td>Active agent</td>
<td>25 ± 1</td>
<td>%</td>
<td></td>
</tr>
</tbody>
</table>

Drying conditions: Moisture curing at room temperature in particular for SiliXan U binder.
Forced drying at temperatures between 40 °C and 180 °C respectively 250 °C shortly.

Solubility / thinnability: SiliXan Cat 500-25/PM can be thinned with alcohols, esters, ether esters, ketones, xylene and toluene.
The additive can be diluted partially with water or added to aqueous systems under stirring. Temporary turbidity or flakes may occur which dissolve again.

Compatibility: Good compatibility with binders of the classes SiliXan U, M, W and T.
SiliXan Cat 500-25/PM is incompatible with isocyanates in general.
Good compatibility with silicone resins.
Storage

The shelf life of the product is 6 months, provided the original container is stored tightly closed at +15 to +25 °C. Opened containers should be processed shortly. The expiry date of each batch appears on the product label. Storage beyond the indicated period does not necessarily mean that the product is useless. However, in this case a review of the properties for the respective application is essential for reasons of quality assurance.

Safety

Please find the most important information on labeling, transport and storage as well as on handling, product safety and ecology in the latest safety data sheet. During processing appropriate personal protective equipment must be ensured.

Registration status

SiliXan Cat 500-25/PM has following listings.

- EINECS: yes
- CAS-No.: yes
- REACH status: mixture
- REACH registration: raw materials registered
- TSCA (USA): yes
- ECL (Korea): yes
- ENCS (Japan): yes

Packaging

- 5L can
- 30L drum
- 200L drum