Urosin® 4633

Aqueous UV-cure urethane copolymer dispersion

Technical Data Sheet

Revision Date: 2019-06-26
Name: Urosin® 4633
Version: 1.1

Product Description

Urosin® 4633 is an aliphatic urethane acrylate dispersion designed for floor and furniture with outstanding wood wetting, high flexibility and hardness. It has good compatibility with pigments and dyes. Approx. 38% dispersed in water, neutralized with approx. <1% triethylamine. Biocide: CMIT/MIT 3:1 12ppm, and MIT 100ppm.

Properties

1. Outstanding wood wetting
2. Good compatibility with pigments and dyes
3. Excellent adhesion
4. Water re-emulsifiable before UV curing

Characteristic data*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Translucent to milky white</td>
<td></td>
</tr>
<tr>
<td>Weight Solids</td>
<td>37-39</td>
<td>wt% WHPU/T011-571-2017</td>
</tr>
<tr>
<td>pH</td>
<td>6-8</td>
<td>GB 6920-1986</td>
</tr>
<tr>
<td>Viscosity(25°C)</td>
<td>5-200</td>
<td>mPa·s GB/T 2794-2013(Brookfield LV,61#/30rpm)</td>
</tr>
</tbody>
</table>

*Property values represent typical results only and are not to be considered as specifications, subject to specific COA

Storage

The product should be stored in dry conditions above 5°C and below 30°C with the integrity of the packaging, and prevent direct sunlight. The validity of this product is for 6 months, performance assessment is recommended before use after more than 6 months. The product should be protected from freezing during storage. After opening the packing, it is suggested to use up one time. Well filtration before using is necessary as normal water based binder.
Urosin® 4633

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