Microlith® A

Stir-in pigment preparations for solvent-based coatings with high transparency

Key features
- Organic and inorganic pigments predispersed in an ethyl cellulose carrier resin
- Dry powder, low dust processing
- Small particle size and extremely narrow particle size distribution

Additional features
- Excellent color strength, gloss, light fastness, and transparency, as well as outstanding dispersion
- Combination with effect pigments offers endless styling opportunities

Wood coatings with Microlith® A
- Easily incorporated into a variety of solvents with dissolvers or high-shear mixers without preliminary milling
- Suitable for wood stains, glazes, and lacquers
Microlith® A
Ideal for solvent-based coating systems

Guidelines for incorporation – compatibility with solvents and binders
For the preparation of stable Microlith® A dispersions, it is best to use polar solvents, such as alcohols, glycols, ketones, and esters. Aromatic and aliphatic solvents can be used as diluents. The carrier resin (ethyl cellulose) is also compatible with nearly all commonly used resins for wood finishes. Possible limitations exist with urea and melamine resins, alkyd resins, waxes and acrylic resins.

Formulation guidelines for the preparation of a wood stain
Incorporation: Add and dissolve the Mowital® B60H to the solvents while mixing. Then add the Microlith® A while mixing and mix it for 30 minutes with a dissolver at a peripheral impeller speed of 9m/sec.

<table>
<thead>
<tr>
<th>Concentrate</th>
<th>Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>Concentrate (see left)</td>
</tr>
<tr>
<td>Ethanol</td>
<td>30%</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>Isobutyl acetate</td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>24%</td>
</tr>
<tr>
<td>Mowital® B60H**</td>
<td>Ethanol</td>
</tr>
<tr>
<td>Microlith® A</td>
<td>Isopropanol</td>
</tr>
<tr>
<td></td>
<td>Isobutanol</td>
</tr>
<tr>
<td></td>
<td>1-Methoxy-2-Propanol</td>
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</tbody>
</table>

** Other polivinylbutyral-types or nitrocellulose can be used instead of Mowital® B60H

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