Product Information
Alberdingk® U 3251

What is the resin's nature?
Highly flexible, solvent-free, aliphatic polyester polyurethane dispersion.

Technical data:
- Solids content: 39 - 41%
- pH-value: 7.0 - 8.0
- Viscosity: 20 - 200 mPas
- MFFT: approx. 0 °C
- Elongation at break: approx. 650%

Why has the resin been developed?
- high elasticity
- blocking resistance
- plasticizer properties for hard acrylates

What is the suggested field of application?
- Textile / leather coatings
- For exterior applications
- For parquet varnishes (as co-binder < 20%)
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Suitable raw materials

Defoamers:
Byk 024 (BYK Chemie)  Tego Foamex 822 (Evonik Tego Chemie)

Substrate wetting agents:
Byk 346 (BYK Chemie)  Dow Corning 67 (Dow Corning)

Coalescing agents:
Dowanol DPM (Dow Chemical)  Butylcellosolve, BG (BASF)
Dowanol DPnB (Dow Chemical)

Matting agents:
Acematt TS 100 (Evonik)

Rheology control additives:
DSX 1514 (BASF)  DSX 2000 (BASF)
Tego Viscoplus 3000 (Evonik Tego Chemie)
The details contained herein are based on our present state of technology and shall inform on our products and their application possibilities. A lawful binding assurance of certain attributes or a suitability for a concrete operation purpose cannot be derived from this information. Industrial property rights are to be considered if required.

### Formulation Proposal

**FP 3251-1** plastic coatings

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Raw Materials</th>
<th>Amount</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ALBERDINGK® U 3251</td>
<td>80.00</td>
<td>Alberdingk Boley</td>
</tr>
<tr>
<td>2</td>
<td>Dow Corning 67</td>
<td>0.50</td>
<td>Dow Corning</td>
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<tr>
<td>3</td>
<td>Byk 024</td>
<td>1.00</td>
<td>BYK Chemie</td>
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<tr>
<td>4</td>
<td>Butylcellosolve (BG)</td>
<td>5.00</td>
<td>BASF</td>
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<tr>
<td>5</td>
<td>Water (deion.)</td>
<td>12.20</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Acematt TS 100</td>
<td>1.00</td>
<td>Evonik</td>
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<tr>
<td>7</td>
<td>DSX 1514</td>
<td>0.30</td>
<td>BASF</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>100.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

premix pos. 4 + 5 before use

Please take note of local regulations, that might limit or ban the use of raw materials such as 2-(2-Butoxyethoxy)ethanol [=BDG; = Butylcarbitol] or 2-Butoxyethanol [= BG; = Butylcellosolve].

Example: Decision No. 1348/2008/EG