Technical Data Sheet

Cross-linking Agent RC1174

Description
RC1174 is a cross-linking agent designed for use in powder coatings. When formulated with an amine blocked sulfonic acid salt (Catalyst RC32-18A) as a catalyst, excellent durable wrinkle finishes are obtained. Since RC1174 cross-linker based powder coatings inherently have excellent weather-ability, wrinkle finished coatings with excellent outdoor property are now available.

Technical Data
Appearance: White crystals
Non-volatiles: Min. 99%
Melting point: 105-125°C

Advantages
- Excellent weather-ability.
- Economically favorable resin-to-cross-linker ratio.
- Good light stability.
- Attractive, consistent texture.
- Outstanding detergent resistance.

Recommended Amounts
In coatings on binder of formulation, 4-10 per hundred resin

Formulation and Processing Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester resin</td>
<td>94.0</td>
</tr>
<tr>
<td>Cross-linker, RC1174</td>
<td>6.0</td>
</tr>
<tr>
<td>Catalyst, RC32-18A</td>
<td>1.5</td>
</tr>
<tr>
<td>Leveling agent, PV88</td>
<td>1.5</td>
</tr>
<tr>
<td>Pigments and fillers</td>
<td>43.5</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1.5</td>
</tr>
<tr>
<td>Benzoin</td>
<td>2.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>150</strong></td>
</tr>
</tbody>
</table>

*Cure schedule: 15Min@180°C, polyester resin with OH value 25-45, Tg.=66°C.

Packing
25kgs net per fiber drum

Storage and Handling
Store it in the cool and dry place and close packages after use to avoid moisture

Shelf Life
At least 1 year when properly stored

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