PAT-ADD DA 302 is an anionic wetting agent for use in paints and colorants to optimize color development. PAT-ADD DA 302 shows strong wetting, emulsification and stabilisation efficiency. PAT-ADD DA 302 is multifunctional and compatible with a wide range of waterborne paint systems.

**PHYSICAL CHARACTERISTICS:**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pale yellow liquid</td>
</tr>
<tr>
<td>Viscosity @ 25°C, approx</td>
<td>100 cPs</td>
</tr>
<tr>
<td>Specific gravity @ 25°C approx.</td>
<td>1.050</td>
</tr>
<tr>
<td>Polarity</td>
<td>Anionic</td>
</tr>
<tr>
<td>Solids content, approx</td>
<td>35%</td>
</tr>
</tbody>
</table>

**PROPERTIES:**

PAT-ADD DA 302 is a multi-applicable wetting agent showing extremely strong surface activity. Main applications of the product are in the formulation of pigment dispersions as well as additive in base paints, which are tinted with universal colorants.

PAT-ADD DA 302 optimises colour development.

PAT-ADD DA 302 is a strong emulsifier for use in aqueous systems. It ensures rapid distribution of the colorant once added to the base thus ensuring improved color development. Furthermore, PAT-ADD DA 302 functions as stabiliser, reducing the risk of pigment flocculation, during paint production, storage or application, whereas properties like viscosity stability on storage, colour development, opacity are being optimised, using PAT-ADD DA 302.

**MAIN BENEFITS ARE:**

- Optimises color development
- Strong emulsification properties for fast distribution of colorants in base paints
- Cures rub-up problems
- Strong prevention of pigment flocculation, floating, flooding, and pigment settling
- Improves adhesion of paints and inks if applied onto polar substrates

**DOSAGE AND ADDITION:**

The optimal amount of PAT-ADD DA 302 to be used is system related, but generally is between 0,1 and 0,5% PAT-ADD DA 302, calculated on the total weight of paint formulation.

The product is preferably added to the mill-base; in case of post addition typically higher levels are needed, such as approx 1% PAT-ADD DA 302 on total weight of paint. For use as wetting agent in colorants/ tinters (typically in conjunction with PAT-ADD DA 601) higher dosages are required, generally 2 to 5% PAT-ADD DA 302 on total weight of the colorant or tinter.

The optimum concentration to be used depends on the individual requirements and conditions.

For information on handling and safety please refer to the information from the Material Safety Data Sheet.