DeCAL 1283

General Purpose Synthetic Thickener for Water Based Systems.

DeCAL 1283 is a highly efficiency anionic liquid polymer dispersion in a non-aqueous carrier used as a general-purpose thickener giving short flow rheology across a wide pH range.

DeCAL 1283 is provided in a highly concentrated form so providing good viscosity at low concentrations.

DeCAL 1283 is another high performance product, complimenting the DeCal 1200 range of liquid dispersion type thickeners.

1. Typical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White emulsion</td>
</tr>
<tr>
<td>Freeze Thaw</td>
<td>Stable</td>
</tr>
<tr>
<td>Rheology</td>
<td>Thixotropic</td>
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</tbody>
</table>

2. Application:

DeCAL 1283 can be used as a thickener and rheology modifier for many aqueous adhesive, paint and coating compositions, and requires no pH adjustments when used within the range 4-11.

3. Incorporation:

DeCAL 1283 is active over a wide pH range (4-11) and requires no additional alkali. The product should be added directly to the coating mix with high efficiency mixing in order to avoid localised thickening. If necessary dilution with the carrier oil can aid addition.

DeCAL 1283 will generally thicken quite rapidly, but the rate of activation is dependent upon temperature, speed of mixing and medium to be thickened.
4. Thickening Efficiency

DeCAL 1283 provides highly efficient thickening power in water. However in the presence of high electrolyte concentrations we suggest that the use of DeCAL 1200 will give improved long term stability.

5. Safety & Handling:

DeCAL 1283 should be handled in accordance with good industrial practice. Detailed information is provided in the Safety Data Sheet.

6. Storage:

DeCAL 1283 is freeze thaw stable, however it is recommended to store the product at temperatures above 5°C to enable easy handling of the product.

We hope this information will be of value and if necessary we will be glad to offer additional technical advice. Please note that all our information is given in good faith, we can assume no responsibility for any liability incurred. Data and results should be confirmed by the Buyer by testing the product under its intended conditions of use.

Version 0.0. 01.11.10