POLIVA CF

Poliva CF is an aqueous modified copolymer based on Vinyl Acetate / Veova10. It is suitable for the production of paints with low cost.

Stabilizing system:
Anionic / non-ionic

Principle Properties:
- Strong binding power.
- Excellent flexibility.
- Good wash ability even at high PVC values.

Applications:
- Interior emulsion based paints with extended scrub-ability and alkali resistance and may be used also in exterior emulsion paints.
- Economic and matt paints.
- Low cost highly extended interior paints
- Emulsion putty.

Physical Properties:

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid contents</td>
<td>50±1</td>
<td>%</td>
</tr>
<tr>
<td>Viscosity at 23 °C, sp 4</td>
<td>2000-4000</td>
<td>mPa·s</td>
</tr>
<tr>
<td>Brookfield viscometer RVT 20 rpm</td>
<td>4.5±0.5</td>
<td>-</td>
</tr>
<tr>
<td>pH</td>
<td>1.05 ± 0.02</td>
<td>g/cm³</td>
</tr>
<tr>
<td>Freeze-thaw stability</td>
<td>V. Good</td>
<td></td>
</tr>
<tr>
<td>Particle size</td>
<td>approx. 0.3 – 1</td>
<td>um</td>
</tr>
<tr>
<td>Stabilizing System</td>
<td>anionic / non-ionic</td>
<td></td>
</tr>
<tr>
<td>M.F.F.T.</td>
<td>about 5</td>
<td>°C</td>
</tr>
<tr>
<td>Film appearance</td>
<td>Clear</td>
<td>Clear</td>
</tr>
</tbody>
</table>
Processing notes:

Pigmenting can be done in the normal way by mixing the pigments and extenders with the usual additives and water in a paste. Addition of a dispersing agent in small amounts in combination with sodium hexametaphosphate or tripolyphosphate is strongly recommended. The polymer dispersion should be added only after the required degree of grinding has been achieved.

Incorporation of good coalescent solvents like Texanol (Eastman) will yield better results in film wash ability.

Many thickeners are used to adjust the desired viscosity of the paint and to improve its process ability. Very good results are achieved by employing cellulose ethers with retarded swelling and medium to high molecular weight. Also acrylic thickeners can be used.

A lot of commercially available defoamers can be included in order to prevent excessive foaming in the paints. Trials must be carried out to determine the most suitable grades and the correct concentration.

Organic pigments should be tested for their suitability for exterior paints, especially in the case of pasted tones.

Storage and stability:

POLIVA CF is stable for at least 1 year when stored between +5 and +40 °C.

Do not store latex under freezing condition. When containers are open they should be used as soon as possible or be resealed to prevent drying up.

Industrial Safety and Environmental Protection:

Not hazard Substance according to the current dangerous substance regulations.

A safety data sheet is available upon request.