FEVICOL 4000 MP

PRODUCT DESCRIPTION:
Fevicol 4000 MP is Water based synthetic adhesive.

Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Specifications/Conditions</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Visual</td>
<td>Milky White Emulsion</td>
</tr>
<tr>
<td>Viscosity (Seconds)</td>
<td>@30°C by B4 Ford Cup</td>
<td>60-80 sec</td>
</tr>
<tr>
<td>Viscosity (Poise)</td>
<td>@30°C by Brookfield RVT at 20 RPM</td>
<td>2.5-4.5</td>
</tr>
<tr>
<td>Solids (%)</td>
<td>@105°C for 90 minutes</td>
<td>46-48</td>
</tr>
</tbody>
</table>

APPLICATION AREAS:
Fevicol 4000 MP is specially designed low viscosity speciality polymer for transfer-metallizing application. The product is suited by Gravure application for transfer metallizing. Fevicol 4000 MP is also suited for window lamination and METPET lamination when coating is done using Anilox rollers on Dry lamination machine. It is also suitable for carton formation, flap pasting and other similar packaging applications.

FEATURES AND BENEFITS:
a) **Unique Features:** The product is compatible with high speed machines using Gravure and Anilox Applicators. It has high green strength, is non tacky and shows good affinity for metallized surfaces. Fevicol 4000 MP has fast drying suited for auto laminators. The high green bond with metallized surfaces gives the transfer process a good appearance.

b) **Benefits to Customer:** The product being water based is a replacement for Solvent based systems which use resin and hardener making finished product a Green product. The transfer metallized paper/board which are used in food grade applications are thus, safe and FDA compliant. The product has viscosity suited to do coating on board on dry laminators for Window lamination.

APPLICATION PROCESS:
Fevicol 4000 MP is suitable for use with Gravure and Anilox rollers. It can also be used by Nozzle, Rollers and CAM applicator.

COMPLIANCES:
The ingredients used in this product meet the compositional requirement of US F&DA Regulation chapter 21 Para 175.105.

SUGGESTIONS FOR USE: The product is suggested to be used by gravure applicators and anilox applicators. The rollers should be at all times dipped and rotating in adhesive in order to avoid filling of its cells. The product can be pumped and recirculated from the tray for these applications. As this is high Green bond adhesive it should be kept in closed conditions in the drum and tray to avoid drying. The coated surfaces should be nipped with secondary surfaces with adequate and positive pressure to ensure complete Metal transfer.

PACKAGING INFORMATION:
The product is available in packing of 50 kgs.

STORAGE AND HANDLING:
Store in sealed containers in dry condition at temperatures between 15-30°C, prevent exposure to sunlight, heat, dust and moisture. Protect from frost. Shut the containers properly after use. Containers once opened should be used on a first in, first out basis. Do NOT mix with other products as it can lead to incompatibility and other related problems.

Note: Product Specifications are subject to change. Current specifications are available with H.O. marketing and can be provided on request.

DISCLAIMER
The Product information and application details given by the company and its agents has been provided in good faith and meant to serve only as a general guideline during usage. Users are advised to carry out tests and take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used, and on-
FEVICOL 4000 MP

site workmanship are factors beyond our control, there are no expresses or implied guarantee/warranty as to the results obtained. The company does not assume any liability or any consequential damage for unsatisfactory results, arising from the use of our products.