PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Inspection Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids content</td>
<td>DCC method</td>
</tr>
<tr>
<td>Viscosity at 25 °C</td>
<td>DCC method</td>
</tr>
<tr>
<td>pH</td>
<td>DCC method</td>
</tr>
</tbody>
</table>

TYPICAL PROPERTY

<table>
<thead>
<tr>
<th>Inspection Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Film Appearance</td>
<td>Visual Clear, glossy</td>
</tr>
<tr>
<td>Tg</td>
<td>DCC method 2.0 - 8.0 °C</td>
</tr>
<tr>
<td>Stabilizing System</td>
<td>Polyvinyl Alcohol/Surfactants</td>
</tr>
</tbody>
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INTRODUCTION

DA-330H is a non-plasticized aqueous milky white copolymer dispersion based on vinyl acetate and ethylene. After evaporation of its water content, DA-330H forms a flexible film with best adhesive properties for broad applications.

In generally, DA-330H is used as general adhesive for packaging, bookbinding, and bonding for plastic films, coated papers.

DA-330H is also an excellent base emulsion for floor-, wall- or ceiling adhesives.

Furthermore, DA-330H is also designed to give a stiff hand to woven carpet when used as backing latex. It can take high filler loads and is compatible with most styrene butadiene lattices. It is formaldehyde-free.

It shows good resistance against aging, light or saponification. As a result, the durability of your products could be enhanced with usage of DA-330H and suitable applicative industrial formulations. Besides, DA-330H is very friendly product for our environment.

From the viewpoint of industrial applications, the compatibility of raw materials is considered important to manufacturers.

Compatibility with different tackifiers, plasticizers, solvents and extenders is generally good, although this has to be checked in each individual case of course.

RECOMMENDED APPLICATIONS

DA-330H is an excellent binder with calcium carbonate (whiting), alumina trihydrate (ATH), and easily compound with most other formulation additives.

DA-330H emulsion polymers give tuft bind and compatibility with most SBs. Additionally, the incorporation of ethylene into the emulsion polymers internally plasticize the products and results in inherently high-adhesive-strength products with good flexibility. Backings made with DA-330H retain their original flexibility, while some SB systems may become brittle.

SAFETY & STORAGE

In general, DA-330H is considered safe for its intended use. However, as this class of products always contains minor amount of residual vinyl acetate monomers, adequate ventilation is recommended in rooms where DA-330H is handled. Generally when working with polymer emulsions, protective clothes, gloves and also goggles should be used. Splashes on the skin or in the eyes should immediately be removed by irrigation with clean water.

DA-330H should be stored in sheltered areas at temperatures between 5 and 40 °C; do never store under freezing conditions. Soft lumps or skins may tend to be formed during transportation and storage, therefore filtration is recommended before use. If the product is not transferred completely at one time, the user shall take adequate precautionary measures to prevent the possible formation of lumps or skins on the product. Opened containers should be closed soon to prevent skinning. If the product is stored for a longer period, stirring is recommended before use. If the product is stored for a longer period, stirring is recommended before use. Shelf life of DA-330H is minimum 6 months, provided the product is stored in original, unopened containers under proper conditions. Stirring is required before utilizing the product if it has been stored for a longer period.

DA-330H is adequately preserved to prevent microbial contamination. However, if the product is kept in original containers which have been opened, or is transferred to other tanks, the product should be added with suitable preservative package to protect it against microbial attack. Equipment and facilities used to transfer the product should also be kept adequately clean. Finished products manufactured from polymer
emulsions usually also require preservation.

**SAFETY NOTICE**

Material Safety Data Sheets are available on request from sales offices or may be printed via website www.dcc.com.

**PACKAGING**

- Iron drum 220Kg/
- PE IBC 1.1 MT/
- Flexible bag/
- Road tanker