Technical Datasheet (DA-108)

### Product Specifications

<table>
<thead>
<tr>
<th>Inspection Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids content</td>
<td>DCC method 72.00 % min.</td>
</tr>
<tr>
<td>Viscosity at 25 °C</td>
<td>DCC method 1500 - 2500 mPa.s</td>
</tr>
<tr>
<td>pH</td>
<td>DCC method 4.5 - 6.5</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 0 °C</td>
</tr>
<tr>
<td>Stabilizing System</td>
<td>Polyvinyl Alcohol</td>
</tr>
</tbody>
</table>

### Introduction

DA-108 is a non-plasticized aqueous milky white copolymer dispersion based on vinyl acetate and ethylene. After evaporation of its water content, DA-108 forms a flexible film with best adhesive properties for broad applications.

In generally, DA-108 is used as general adhesive for packaging, bookbinding, and bonding for plastic films, coated papers.

Furthermore, DA-108 is broadly used as a particularly suitable base emulsion for the formulation of adhesives for difficult substrates, such as lacquered surfaces, foils and plastic films in the packaging and paper industry.

DA-108 is also an excellent base emulsion for floor-, wall- or ceiling adhesives.

It shows good resistance against aging, light or saponification. As a result, the durability of your products could be enhanced with usage of DA-108 and suitable applicative industrial formulations. Besides, DA-108 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-108 can be used for directly bonding the substrates, while plastic/plastic, film/film or film/lacquered surfaces afford application of the emulsion (or its formulation) onto one substrate and immediately drying, followed by sealing the other non-polar substrate. Depending on the machinery, of course such a sealing process could be used also bonding non-polar substrates to polar ones.

The popular use of DA-108 is for bonding difficult substrates, like

- plastic- (specially PVC-) or metal films to substrates of all kind
- printed paper, lacquered paper and board
- plastic materials to porous or even non-porous substrates
- ceramic tiles to cementitious substrates

As DA-108 is compatible with cement, we can reinforce waterproofing capability of cementitious compounds formulated with our product.

### Safety & Storage

In general, DA-108 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-108 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-108 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. Shelf life of
DA-108 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-108 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 web

**PACKAGING**

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

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This information is based on our present state of knowledge and is
intended to provide general notes on our products and their uses. It
should not therefore be construed as guaranteeing specific
properties of the products described or their suitability for a
particular application. Any existing industrial property rights must be
observed. The quality of products is guaranteed under our General
Conditions of Sale. Neither Dairen nor its agents nor its distributors
accept liability for damages arising from the use of our product or
our recommendation. The recommendations should be evaluated by
the customers’ different operating conditions and raw materials. It is

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