



**PRODUCT SPECIFICATIONS**

	Inspection Method	Value
Solids content	DCC method	49-51 %
Viscosity at 25 °C	DCC method	1000 - 3000 mPa.s
pH	DCC method	5.0- 7.0

**TYPICAL PROPERTY**

	Inspection Method	Value
Film Appearance	Visual	Clear
Tg	DCC method	-2~2 °C
Stabilizing System		Polyvinyl alcohol

**INTRODUCTION**

DA-901 is a non-plasticized aqueous milky white terpolymer dispersion based on vinyl chloride, vinyl acetate and ethylene. It possesses the lowest Tg among our whole series of EVA-VC emulsions. It, therefore, provides the softest transparent film.

General speaking, DA-901 is used as general adhesive. It is also suitable for high-speed lamination work and provides the fire retardance property.

DA-901 is used broadly in the wood-related industry, and is mainly designed as an emulsion base for wood adhesive composed of Emulsion Polymer Isocyanate (EPI) system. It can meet D4 classification standard of European EN204 Standard.

In general, the compatibility with different emulsions, cement, and extenders is generally good.

DA-901 readily accepts high load of fillers, like calcium carbonate. Viscosity can be increased by blending in PVA solution. Also polyurethane / polyacrylic based thickeners are recommended.

DA-901 is miscible with all others non-ionic and protective colloid stabilized DA-products, but trials should always be carried out. Dry films may become hazy by mixing different polymers with different refractive indices.

**RECOMMENDED APPLICATIONS**

DA-901 is designed as general adhesive and is especially for the wood applications. It provides the good resistance against water, solvent and saponification.

Generally speaking, the wood applications claim for the high bonding strength to maintain the adhesion between the woods. A good wood glue is asked for the properties described above.

As a result, it is recommended DA-901 to the wood adhesive meeting the D4 classification standard of European EN204 Standard. DA-901 is suggested to use in poly-MDI system as wood glue applied for wood industry.

**SAFETY & STORAGE**

In general, DA-901 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-901 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-901 should be stored in sheltered areas at temperatures between 5 and 40 °C; do never store under freezing conditions. 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-901 is minimum 6 months, provided the product is stored in original, unopened containers under proper conditions.

DA-901 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.



**DA-901**

**Dairen Chemical Corporation**

**VAE Emulsion**

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**SAFETY NOTICE**

Material Safety Data Sheets are available on request from sales offices or may be printed via web site [www.dcc.com](http://www.dcc.com).

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