



TYPICAL PROPERTIES

Main Ingredient.....Vinyl Acetate-Ethylene Copolymer
Appearance.....Milky White
Protective Colloid..... Polyvinyl Alcohol
Solids Content *(min.,%).....53
Viscosity *(cP)[®]1000±500
pH*5.5±1.0
Free Monomer (max.,%).....0.1
Tg (°C).....10±3

**marked item, are the ex-works delivery specification. All other figures are typical physical properties for reference only.*

[®]:Brookfield Viscometer,RV,60rpm,25°C

INTRODUCTION

DA-371 is a milky white Ethylene-Vinyl Acetate emulsion, 53% solid content, with copolymerized functional monomers for self-crosslinking after film formation. It shows improved adhesion not only to non-polar, but especially to polar organic and mineral substrates as well. After evaporation of its water content, a clear, flexible film with low surface tack is formed.

The emulsion is a particularly suitable base to compose water-resistant Kraft paper and -board glues for the production of transport- bags, cases and boxes. But DA-371 is also an ideal raw material for many other difficult to bond substrates, e.g. for lacquered surfaces and plastic films in the packaging industry, PVC -foils and sheets. Further on, floor-, wall and ceiling adhesives may be formulated.

The film shows good resistance against aging, light or saponification.

Compatibility with resin solutions, soft resins, plasticizers, solvents and extenders is generally good, although this has to be checked in each individual case of course.

RECOMMENDED APPLICATIONS

DA-371 is especially suitable for the formulation of low odour solvent and/or plasticizer-free interior paints and coating systems. Possible application cover high PVC paints with outstanding scrub resistance as well as semi gloss paints with good anti-blocking properties.

Most popular uses can be outlined as follows:

- Low VOC interior paints
- Semi flat and semi gloss paints
- Deep shade paints
- Exterior paints
- Plaster and textured coatings.

Because of whole design of the emulsion, coating products with DA-371 as binder show excellent mechanical resistance, low chalking and no efflorescence.

SAFETY & STORAGE

In general, DA-371 is considered safe for its intended use. However, as this class of products always contains minor amount of residual vinyl acetate monomer (less than 0.5%), adequate ventilation is recommended in rooms where DA-371 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-371 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. It is recommended to use the emulsion within 6 months.

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. It is our customers' responsibility to avoid infringement of the rights of third parties.

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