



DA-180L

Dairen Chemical Corporation

VAE Emulsion

PRODUCT SPECIFICATIONS

	Inspection Method	Value
Solids content	DCC method	54.5 % min.
Viscosity at 25 °C	DCC method	500 - 1000 mPa.s
pH	DCC method	4.5- 6.5

TYPICAL PROPERTY

	Inspection Method	Value
Film Appearance	DCC method	Clear, glossy
Tg	DCC method	0 °C
Stabilizing System	DCC method	Polyvinyl alcohol/ Surfactants

INTRODUCTION

DA-180L is a milky white, plasticizer-free Vinyl Acetate -Ethylene copolymer emulsion. After evaporation of its water content, DA-180L dries to a clear, soft and flexible film to provide better waterproofing property.

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

DA-180L provides higher compatibility for more fillers to reduce the cost of products, and has good adhesion and pH stability.

DA-180L is especially suitable for cementitious application. After blending with fillers, DA-180L provides good workability, suitable open time, and possesses excellent flexibility, adhesive strength and waterproofing.

RECOMMENDED APPLICATIONS

1. General adhesive
2. Meet the JS waterproofing standard
3. Also suitable for thermal insulation system and plasters.

Recommended formulation I:
DA-180L 1part, 42.5 cement 1part

Recommended formulation II:
Liquid part:
Blend DA-180L with antifoam agent, DBP, and water.
Filler part:
White cement, CaCO₃, Talc powder

Liquid: Filler=10:7
Formulation II meets the JS waterproofing standard.

Notation:

1. According to the different demand of waterproof, the amount of DBP might be checked in each individual case.
2. To get better elongation (increase the amount of latex), to get better tensile strength (increase the amount of cement).

SAFETY & STORAGE

In general, DA-180L 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-180L 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-180L 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. 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 site www.dcc.com.

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