



Product Data Sheet

ADD-7112

GENERAL

ADD-7112 is an alkali soluble acrylic based associative thickener specifically designed for use in aqueous systems requiring a Newtonian rheological behavior.

SPECIFICATIONS

Composition	: An alkali swellable acrylic based associative thickener
Appearance	: Low viscosity, white milky liquid
Specific gravity @ 20°C	: Ca. 0.86 g/cm ³
Solids content	: Approx. 30 %

APPLICATIONS AND USAGE

ADD-7112 provides an excellent balance between high and low shear viscosities, and an excellent compatibility with most organic and inorganic pigments and amongst other uses is particularly effective in silk and flat emulsion paints.

The most effective and stable viscosity is obtained when the plateau part of the pH viscosity curve is reached. The final pH of the paint should be adjusted within the range 8-9. Lower pH's can lead to flocculation and viscosity instability.

ADD-7112 can be added to an aqueous formulation in the form supplied or in a 1 : 1 blend of **ADD-7112** in water carefully neutralized to a pH of 8.5 before addition. In either case the pH of the formulation should not fall below 8. If necessary the medium to be thickened can be pre-neutralized to a pH of 9.0 before any addition of **ADD-7112** is made.

ADD-7112 is an associative thickener, its efficiency will depend on the chemical structure and particle size of the binder, the nature of its protective colloid and the choice of coalescing agents. However, typical use levels for **ADD-7112** fall in the range **0.3% - 1.5%** by weight of active ingredient on the total formulation weight.

STORAGE, SAFETY & HANDLING

ADD-7112 is stable if appropriately used, it must be stored at a temperature above 5°C and below 40°C and protected from direct sun exposure. When kept in an original unopened container, it will keep up to 3 years from the date of manufacture. **ADD-7112** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.