



Product Data Sheet

ADD-P50

GENERAL

ADD-P50 is a derivative of a family of highly effective, low viscosity dispersing agents for a wide range of water-borne coating systems. Especially suited for the dispersion of inorganic pigments,

SPECIFICATIONS

Description	: ADD-P50 is a solution of a sodium salt of an acrylic polymer in water
Appearance	: Pale yellow liquid
Specific gravity (@ 20°C)	: 1.27 g/cm ³
Solids content	: 40%
pH (approx.)	: 7.0-9.0

APPLICATIONS AND USAGE

ADD-P50 is an excellent dispersing agent delivering process efficiencies across a range of market applications:

- Paints
- Adhesives
- Ceramics
- Electronic ceramics

ADD-P50 can be used as supplied. **ADD-P50** has been successfully used to produce a wide range of aqueous slurries and dispersions. Suitable substrates include calcium carbonate, kaolin/china clay, dolomite, ferrite, magnesium hydroxide, mica, satin white, talc, titanium dioxide, zinc oxide etc. **ADD-P50** can be used to increase the solids loading of the required inorganic dispersion or reduce the working viscosity at a given solids content.

It is recommended to add the pigment to water containing the dispersing agent with stirring as opposed to addition of the dispersing agent to a pigment slurry. In general, the pH of the final preparation should be in the region of 8.5 to obtain optimum dispersing efficiency.

Usage **0.5 – 2.0% ADD-P50** into the formulation (based on total pigment weight).

STORAGE, SAFETY & HANDLING

Although **ADD-P50** is freeze stable, it is recommended to store the product at temperatures above 5 °C to enable easy handling of the product. Avoid frost and freezing. Do not store in steel, copper or aluminum containers. Thermal decomposition above 200°C releases carbon dioxide. When kept in an original unopened container, **ADD-P50** will keep up to 2 years from the date of manufacture. Detailed information can be found in the Safety Data Sheet.