

PAT-ADD DA 707

Product Data Sheet

Rev 01

April 2018



Product Features

PAT-ADD DA 707 is an amphoteric dispersing additive for solvent-borne paints, inks, plasticizers and colorants.

PAT-ADD DA 707 is multifunctional and compatible in a wide range of solvent-borne paint systems.

PAT-ADD DA 707 is particularly effective as dispersant for inorganic pigments in air-drying alkyd paints.

Main benefits are:

- Optimizes the milling process, enabling higher pigment loadings
- Provides excellent color development
- Strong prevention of pigment flocculation, floating, flooding, and pigment settling
- Excellent compatibility with alkyd resins, minimal risks of undesirable side effects
- Minimal effect on heat stability in plasticized PVC systems

Physical Characteristics:

Appearance	: Clear Amber colored liquid
Viscosity @ 25°C	: 600 - 3000 cP
Specific gravity @ 25°C	: 0.940 – 0.970
Polarity	: amphoteric
Composition	: polyester compound
%Solids content(120°C/1hr)	: 72 ± 3.0%

“Physical parameters indicated here in product data sheet are typical properties and not specification limits or range.”

Properties:

PAT-ADD DA 707 is a polymeric dispersing agent exhibiting strong adsorption onto a wide variety of pigment surfaces, contributing to excellent dispersion stability.

PAT-ADD DA 707 is strongly adsorbed onto inorganic and extender pigment surfaces, contributing to enhanced steric stabilization against re-flocculation.

Dosage & Addition

The optimal amount of PAT-ADD DA 707 is system related, generally between 0,3 and 0,8% on the total weight of paint formulation.

The product is added to the mill-base prior to pigment and the dispersion process.

For use as dispersing agent in plasticizer pastes, a dose between 0,7 and 3% on total weight of the paste, is typically required

PAT-ADD DA 707

Product Data Sheet

Rev 01

April 2018



The optimum concentration to be used depends on the individual formulation and conditions and best established with a ladder study.

End Use Application

Pat-Add DA 707 shown excellent performance in variety of solvent based coatings including: Alkyd paints, Alkyd-melamine baking enamels, Acrylic enamels, Industrial primers, Vinyl coatings and Plastisols.

Shelf life

The product has shelf life of 24 months from the date of manufacturing; packed in unopened original containers as shipped by Patcham when stored in frost free warehouse.

Storage and transportation, Safety and Handling

For information on handling, storage and safety please refer to the information from the Material Safety Data Sheet (SDS).

Packing size

Drum: - 190.0 kgs, Can: - 25.0 kgs.

Disclaimer:

While every effort is made to provide accurate and complete test results for The PATCHAM ADDITIVES, various data may vary depending upon different raw materials, test procedures and test conditions. The accuracy, reliability, or totality of the results are not guaranteed or warranted in any way. PATCHAM FZC and its representatives disclaim liability of any kind whatsoever, including liability for quality, performance and fitness for a particular purpose arising out of the use, or inability to use the test results.