

Product Features

PAT-ADD DA 817 is a wetting, dispersing and anti-sedimentation additive for a wide variety of industrial paints. The product is solvent-free and applicable for waterborne, solvent-borne and solvent-free paint, inks and pigment dispersions.

PAT-ADD DA 817 is particularly effective as anti-settling agent for silica-based matting agents and as an anti-sedimentation agent in aqueous primers.

Main benefits are:

- Highly effective dispersant for acidic pigments, including silica and carbon black
- Optimizes milling operation, enabling higher pigment loading
- Wide range compatibility, in solvent-borne, solvent-free and most waterborne systems
- Excellent performances in stabilizing silica-matting agents.
- Prevents hard sedimentation in waterborne as well as solvent-borne primers

Physical Characteristics:

Appearance	:	Clear colorless to yellow liquid
Viscosity @ 25°C/77°F	:	<700 cP
Specific gravity @ 25°C/77°F	:	0.970 – 1.010
Composition	:	Polymeric, weakly cationic
%Solids content (120°C/1hr)	:	97.00% ± 3.00

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

Properties:

PAT-ADD DA 817 exhibits particularly good wetting and dispersion properties with acidic pigment surfaces, such as silica, oxidized carbon black or organic pigments with acidic moieties.

The product contributes to enhanced steric stabilization against re-flocculation. Although primary application is for waterborne systems, PAT-ADD DA 817 also demonstrates excellent performance in solvent-free systems, such as EP and PUR floorings.

Additionally, use of PAT-ADD DA 817 in waterborne systems contributes to the creation of Newtonian flow behavior.

PAT-ADD DA 817

Product Data Sheet

Rev 02

September 2018



Dosage & Addition

The optimal amount of PAT-ADD DA 817 is system related, generally between 5.0 - 30.0% for Carbon Blacks and Organic Pigments, and 0.30-3.0% for inorganic pigments and fillers, based on total pigment/filler loading.

PAT-ADD DA 817 is added to the filler, pigments or polymer during or before compounding.

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

End Use Application

PAT-ADD DA 817 is designed for use in a wide range of waterborne -, solvent-free - or polar solvent-borne industrial paints; baking systems, 2-pack systems, epoxies, polyesters, etc.

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

The product may solidify below +1 °C (33.8 °F). Heat to 20 °C (68 °F) and stir.

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: - 200.0 kgs, Can: - 25.0 kgs, IBCs: - 1000.0 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.