

Product Features

PAT-ADD DA 301 is a Universal Compatibilizer for paints and colorants to optimize color development.

PAT-ADD DA 301 exhibits extremely strong wetting efficiency.

PAT-ADD DA 301 is multifunctional and compatible in a wide range of water and solvent borne paint systems. Due to its exceptionally strong dispersion and stabilization capabilities, it can be post added to flocculated systems to restore and recover proper dispersion and color properties.

Main benefits are:

- Optimizes color development
- Prevents rub-up problems
- Strong prevention of pigment flocculation, floating, flooding, and pigment settling
- Improves adhesion of paints and inks applied onto polar substrates

Physical Characteristics:

Appearance	:	Clear Pale Yellow Liquid
Viscosity @ 25°C/77°F	:	50 - 200 cP
Specific gravity @ 25°C/77°F	:	1.070 – 1.100
Polarity	:	Anionic
%Solids content(120°C/1hr)	:	63.0 – 67.0 %

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

Properties:

PAT-ADD DA 301 is a multi-application compatibilizer showing extremely strong surface activity.

PAT-ADD DA 301 is strongly adsorbed onto the surface of inorganic and extender pigments, to create a dense charged layer contributing to improved electrostatic stabilization of the dispersed pigment and extender particles. The tendency of pigment flocculation, during paint production, storage or application is reduced, whereas viscosity stability on storage, color development, opacity are optimized with PAT-ADD DA 301.

PAT-ADD DA 301

Product Data Sheet

Rev 01

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Dosage & Addition

The optimal level of PAT-ADD DA 301 is system related, but is generally between 0.1 and 0.5% PAT-ADD DA 301 as supplied on the total weight of paint formulation.

The product is preferably added to the mill-base; in case of post addition, higher levels may be needed, i.e. 1% PAT-ADD DA 301 on total weight of paint. For use as wetting agent in colorants/ tinters (typically in conjunction with PAT-ADD DA 603) typically, 2 to 5% PAT-ADD DA 301 on total weight of the colorant or tinter.

End Use Application

Main application is in pigment dispersions as well as an additive in base paints of Universal Colorant Systems. PAT-ADD DA 301 optimizes color development and colorant acceptance.

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: - 220.0 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.