

PAT-ADD DA 801

Product Data Sheet

Rev 01

April 2018



Product Features

PAT-ADD DA 801 is a polymeric dispersing agent for solvent-borne and solvent-free paints, inks and colorants.

PAT-ADD DA 801 is multifunctional and compatible in a wide range of a polarity solvent-borne paint systems. Although, PAT-ADD DA 801 is multifunctional and applicable for most pigments, it is particularly effective as dispersant for carbon blacks.

Main benefits are:

- A universal dispersant
- Optimizes the milling process, enabling higher pigment loading
- Provides excellent color development
- Solvent-free
- Strong prevention of pigment flocculation, floating, flooding, and pigment settling
- Wide range of compatibility, in solvent-borne, solvent-free as well as most waterborne formulations
- For industrial, architectural paints, for printing inks and colorants

Physical Characteristics:

Appearance	: Clear yellow liquid
Viscosity @ 25°C	: 200 - 600 cPs
Specific gravity @ 25°C	: 1.000 – 1.100
Polarity	: electroneutral
Active content	: 100.0%
Composition	: polymeric

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

Properties:

PAT-ADD DA 801 is a polymeric dispersing agent exhibiting strong adsorption onto a wide variety of pigment surfaces, contributing to excellent dispersion stability.

PAT-ADD DA 801 is strongly adsorbed onto inorganic pigments and extenders, enhancing steric stabilization against re-flocculation.

Dosage & Addition

The optimal amount of PAT-ADD DA 801 is system related, generally between 0,4 and 1,5% on the total weight of paint formulation.

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

For use as dispersing agent in inks, a dosage between 0,7 and 3% on total weight of the ink, is typically required. For use in pigment concentrates and colorants higher levels are suggested; 3 to 10% PAT-ADD DA 801 on total weight of the pigment dispersion formula.

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

End Use Application

Pat-Add DA 801 is recommended for all organic solvent-borne paint and ink systems like oxidatively drying systems, and thermoplastic systems. Pat-Add DA 801 can also be used in conjunction with Pat-Add DA 501 for universal pigment concentrates.

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

Store material above 20°C(68°F). Below 18°C(64.4°F) material may solidify, warm the material up to 35°-45°C(95 – 113°F) and stir well before use.

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.