

Product Features

PAT-ADD DA 861 is a polymeric dispersing agent for solvent-borne, solvent-free, and aqueous paints, inks and colorants. PAT-ADD DA 861 is free of volatile organic components.

PAT-ADD DA 861 is multifunctional and compatible with a wide range of non-polar and polar solvent-borne paint systems. Although, PAT-ADD DA 861 is multifunctional and applicable to most pigments, it is particularly effective as a dispersant for carbon black.

Main benefits are:

- A universal dispersant
- Optimizes the milling process, enabling higher pigment loadings
- Provides excellent color development
- No-VOC, odorless
- Strong prevention of pigment flocculation, floating, flooding, and pigment settling
- Wide range of compatibility, in solvent-borne, solvent-free as well as in most waterborne formulations

Physical Characteristics:

Appearance	:	Clear Yellowish to Reddish Liquid
Viscosity @ 25°C/77°F	:	1000 - 12000 cPs
Specific gravity @ 25°C/77°F	:	1.040 – 1.100
Amine value	:	40 mg. of KOH/gm (approx.)
Acid Value	:	97 mg. of KOH/gm (approx.)
Composition	:	Polymeric,Electroneutral
%Solids content (120°C/1hr)	:	96 – 100%

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

Properties:

PAT-ADD DA 861 is a polymeric dispersing additive exhibiting strong adsorption onto a wide variety of pigment surfaces, contributing to excellent dispersion stability.

PAT-ADD DA 861 is strongly adsorbed onto inorganic pigments and extenders, contributing to enhanced steric stabilization against re-flocculation.

PAT-ADD DA 861 replaces PAT-ADD DA 801 in cases where very low VOC and odor requirements are required.

PAT-ADD DA 861

Product Data Sheet

Rev 02

April 2018



Dosage & Addition

The optimal amount of PAT-ADD DA 861 is system related, generally between 0.4 and 1.5% as supplied on total weight of paint formulation.

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

For use as dispersing agent in inks, a dosage between 0.7 to 3.0% on total weight of the ink, is typically required. For use in pigment concentrates and colorants higher levels are suggested, such as 3 to 10% PAT-ADD DA 861 on total weight of the pigment dispersion formula.

The optimum concentration depends on the individual formulation and best determined with a ladder study.

End Use Application

Due to its wide range of compatibility it can be used in solvent borne, solvent free and waterborne formulations. It is suitable for industrial, architectural paints, printing inks and colorants

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

Plastic Blue Can/Drum: - 25.0 kgs, 200.0 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.