

PAT-ADD DA 831

Product Data Sheet

Rev 03

March 2019



Product Features

PAT-ADD DA 831 is a blend of anionic and nonionic surface active compounds to provides anti-settling and anti-sag properties.

Physical Characteristics:

Appearance	: Clear Yellow Liquid
Specific gravity @ 25°C	: 1.100 – 1.130
Solubility	: Soluble in water, polar solvent likes butanol.
Composition	: Balanced mixture of anionic & non - ionic compounds.
%Non Volatile Matter (120°C/1hr)	: 38 ± 2 %

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

Properties:

The use of “PAT-ADD DA 831” is particularly suited for heavy pigments such as red lead, barites, iron oxides, etc. as these pigments quickly form a hard deposit which often cannot be brought back into suspension. Because of its high surface activity, PAT-ADD DA 831 keeps these pigments in suspension. If slight sedimentation takes place, the soft settling can be easily stirred back into suspension.

Method of application:

Due to its liquid form, the incorporation of PAT-ADD DA 831 is very easy. While it can be added to the paints at any stage of manufacturing, addition of PAT-ADD DA 831, at the grinding stage is preferred and more effective.

Dosage & Addition

The quantity required depends on the nature of the pigments and on the types of binders. It is well known that lightweight pigments require less anti-settling agent than heavy pigments.

In the same way, less PAT-ADD DA 831 is required if binders are used. Binders significantly hinder the sedimentation of pigments due to the size of their molecules. The right quantity is best determined by experiments.

Over dosage should be avoided as it might cause side effects of disturbance in flow or delay in dry etc. The recommended initial quantity is about 0.1 % to 0.25 %. This may gradually be increased if the required effect is not obtained. Iron oxide paints require an average of 0.5 % of PAT-ADD DA 831 while certain grades require up to 1 %

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Due to the great variety of compounds used in modern coatings, it is practically impossible to give exact figures or to predict the behavior of PAT-ADD DA 831 in every formulation. After a few tests, users can establish the correct percentage necessary for best results.

End Use Application

Pat-Add DA 831 is recommended for solvent borne oxidatively drying systems.

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: - 30.0 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.