

PAT-ADD DA 786

Product Data Sheet

Rev 03

March 2019



Product Features

PATADD DA786 is a blend of anionic and non-ionic surface active compounds to use as emulsifier to allow the addition of water into oil based coating systems without any loss of Gloss and hardness of the final paint film.

Main benefits are:

- Excellent compatibility with all alkyd resins.
- Addition of Pat-Add DA786 forms a strong water-alkyd hybrid resulting in longer stability.
- Imparts high viscosity to the system thus reduces separation.
- No rusting or water separation on storage as well as on reduction.
- Since pigment binder ratio remains unchanged, no adverse effect on final performance of the applied cured film.
- No reduction of gloss or hardness.
- Cost reduction; water replacing thinner

Physical Characteristics:

Appearance	: Clear Yellow Liquid
Specific gravity @ 25°C	: 1.100 - 1.130
Solubility	: Soluble in water
Composition	: Balanced mixture of anionic & non - ionic compounds.
pH of water solution	: 7.5 – 8.0
Stabilities	: Stable in pH range of 2 to 12 Stable in hard water.
%Solids content(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 DA786” is highly recommended 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 DA786 keeps these pigments in suspension. If slight sedimentation takes place, the soft sediment is easily stirred back into suspension without difficulty.

Due to its liquid form, the incorporation of PAT-ADD DA786 is easy. While it can be added to the paints at any stage of manufacturing, addition of PAT-ADD DA786 in the grinding stage is most effective.

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Dosage & Addition

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 **PATADD DA786** in every formulation. After a few tests, users will easily find the exact percentage necessary for obtaining the best results.

When use as emulsifier for water incorporation suggested dosages are

0.5 -1.0% on total formulation

Shelf Life after incorporation of water:

- Systems based on soya alkyds: 6 months
- Systems based on DCO alkyds: 6 months

End Use Application

Pat-Add DA 786 is recommended for alkyd enamels, specifically for low and medium oil type alkyds.

Shelf life

The product has shelf life of 24 months from the date of manufacturing; packed in un opened 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.

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.