

PAT-ADD DA 1812

Product Data Sheet

Rev 00

April 2021



PATCHAM

A step towards sustainable chemistry

Product Features

PAT-ADD DA 1812 is solvent free wetting and dispersion stabilizing additive for solvent borne paints and inks.

PAT-ADD DA 1812 is particularly suited for the formulation of pigment concentrates for industrial and automotive systems.

PAT-ADD DA 1812 is a wetting additive for organic, and inorganic pigments.

Main benefits are:

- Spontaneous pigment wetting in highly loaded pigment concentrates
- Improves pigment dispersion with higher pigment loadings and excellent color development
- High resistance to pigment flocculation, floating, flooding, and pigment settling

Physical Characteristics:

Appearance	: Clear to slightly hazy Pale-yellow liquid
Viscosity @ 25°C/77°F	: < 2000 cP
Specific gravity @ 25°C/77°F	: 1.130-1.170
Composition	: Solution of a copolymer with acidic groups
%Solid content (120°C/1hr)	: 98.0 ± 2.0 %

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

Properties:

PAT-ADD DA 1812 reduces viscosity of the mill base, optimizing pigment wetting and dispersion. Furthermore, the product improves gloss, leveling while preventing pigment float and flood

The anionic, slightly acidic character of PAT-ADD DA 1812 makes this additive ideal for acid catalyzed systems. Furthermore, PAT-ADD DA 1812 shows excellent performances used in conjunction with polymeric dispersing additive like PAT-ADD DA 3051.

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Dosage & Addition

The optimal amount of PAT-ADD DA 1812 is system related, generally between 0.4 and 1.5 % on the total weight of paint formulation.

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

The optimum concentration to be used depends on the individual formulation and best established using a ladder study.

End Use Application

PAT-ADD DA 1812 is ideal for acid-catalyzed systems and for stabilization of inorganic pigments for solvent borne systems. Recommended for industrial coatings, coil coatings, automotive coatings and protective coatings.

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

Separation or turbidity may occur upon storage, warm the material up to 30–40°C and stir. It will not affect the performance of the product.

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.