

PAT-ADD DA 1676

Product Data Sheet

Rev 00

June 2022



Product Features

PAT-ADD DA 1676 is a controlled flocculating wetting and dispersing additive for solvent-borne architectural and industrial paints. Additionally, the product can be used as a polar activator for bentonites.

PAT-ADD DA 1676 acts as a wetting agent, preventing pigment agglomeration and sedimentation

Main benefits are:

- Provides excellent anti-sedimentation features
- Excellent gelling agent for organo clay thickeners
- Excellent performance in solvent borne paints and primers
- Reducing risk of paint instability

Physical Characteristics:

Appearance	: Clear Brown colored liquid
Viscosity @ 25°C/77°F	: 20 - 200 cP
Specific gravity @ 25°C/77°F	: 0.850 – 0.900
Composition	: alkylammonium salt of a polycarboxylic acid
Acid Value	: 37 mg. of KOH/gm
Amine Value	: 32 mg. of KOH/gm
Solvents	: Solvent Naphtha
%Solids content (120°C/1hr)	: 50.0 % ± 2.0%

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

Properties:

PAT-ADD DA 1676 exhibits strong wetting of pigment and extender surfaces, contributing to optimal dispersion stability. Moreover, the network as formed by intermolecular H-bonding of PAT-ADD DA 1676 inhibits speed of sedimentation, which explains its successes of being used in primers and systems with high specific gravity pigments and extenders!

PAT-ADD DA 1676 also acts as a polar activator for organoclays thickeners, ensuring proper delaminating and activation of the organo clays platelets.

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Dosage & Addition

The optimal amount of PAT-ADD DA 1676 is system related, generally between 0.3 to 0.8% PAT-ADD DA 1676 as supplied on the total weight of paint formulation.

For activation of organo-lays, a dose of 30 to 50% on the weight of organo-clays is suggested; typically, 10% organo-clays gels can be prepared.

PAT-ADD DA 1676 is best premixed with the liquid components of the formulations, prior to pigment/solids addition. The optimum concentration depends on the individual requirements and conditions and should be determined experimentally.

End Use Application

PAT-ADD DA 1676 is suitable for solvent borne architectural, industrial, and protective coating 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, transportation, 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: - 180.0 kgs, Pail: -20.0 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.