

PAT-ADD DA 103

Product Data Sheet

Rev 01

April 2018



Product Features

PAT-ADD DA 103 is a polymeric dispersing agent for inorganic pigments in waterborne formulations.

PAT-ADD DA 103 enables high pigment loading in the mill-base, is low-foaming and contributes to excellent paint storage stability.

Main benefits are:

- Reduced pigment grinding time
- Strong prevention of pigment flocculation, floating, flooding, and pigment settling
- Excellent storage stability - stable viscosity
- No phase separation
- Low foaming
- Universal usage for emulsion paints

Physical Characteristics:

Appearance	:	Colorless to pale yellow liquid
Viscosity @ 25°C/77°F	:	150 - 500 cP
Specific gravity @ 25°C/77°F	:	1.290 – 1.330
pH	:	6.5 – 8.5
Polarity	:	Anionic
Composition	:	Polycarboxylate, sodium salt
%Solids content (120°C/1.30hr)	:	42.0 – 48.0 %

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

Properties:

PAT-ADD DA 103 is strongly adsorbed onto the surface of inorganic pigments and extenders; creating a dense charged layer, contributing to improved electrostatic stabilization of the dispersed pigment and extender particles. Pigment flocculation, during paint production, storage or application is reduced, and viscosity stability on storage, color development, opacity, and scrub-resistance are optimized with PAT-ADD DA 103.

PAT-ADD DA 103 typically reduces the viscosity of the mill-base, enabling higher pigment loadings and improved economics.

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Dosage & Addition

The optimal amount of PAT-ADD DA 103 is system related, but generally between 0.4 to 2.0% PAT-ADD DA 103 as supplied on the total weight of the mill-base; respectively approx 0.3 - 0.7% on total paint formulation.

The product is best added to the mill-base before the addition of pigments and/or extender. The optimum concentration to be used depends on the individual formulation and process conditions.

End Use Application

Masonry Primers, Interior and Exterior Emulsion Paints - Gloss, Semi -gloss, Sheen and Matt Finishes, low VOC emulsion paints, Pigment and Extender slurries etc.

Shelf life

The product has shelf life of 24 months from the date of manufacturing; packed in unopened original containers as shipped by Patcham, 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: - 250.0 kgs, Can: - 30.0 kgs, IBCs: - 1250.0 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.