

PAT-ADD COAL 88

Product Data Sheet

Rev 00

September 2018



Product Features

PAT-ADD COAL88 is a highly efficient coalescing agent for dispersion paints, plasters and polymeric dispersions.

PAT-ADD COAL88 reduces the MFFT (minimum film formation temperature), enabling proper film formation at lower temperatures.

PAT-ADD COAL88 is offered as an odorless liquid, easy use and efficient at low dosages.

Main benefits are:

- High efficiency to support film formation
- Low odor, no adverse effect on paint odor
- Excellent scrub resistance
- Excellent paint shelf stability
- Designed for use from high PVC systems to gloss dispersion paints and varnishes

Physical Characteristics:

Appearance	: Yellow color liquid
Viscosity @ 25°C	: <50 cP
Specific gravity @ 25°C	: 0.920 – 0.950
Polarity	: nonionic
pH	: 6.5 – 7.5
Active matter content	: 99 – 100%

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

Properties:

Coalescing agent PAT-ADD COAL88 optimizes coalescence of polymeric binder particles during paint film formation. The product is strongly adsorbed onto polymer particles, concentrating around the particle. During film formation, PAT-ADD COAL88 softens the polymeric particle, supporting the transition of the particles into a continuous film. As a result, maximum film strength for best mechanical properties such as abrasion resistance and scrub resistance is developed. Even under adverse drying conditions such as high temperatures, or low humidity, PAT-ADD COAL88 stays in the film long enough to provide proper film formation. Unlike classical coalescing agents, PAT-ADD COAL88 typically has no effect on the odor of the paint; enabling the formulation of odorless paints for indoor applications, hospitals, classrooms, nurseries, etc.

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Dosage & Addition

The optimal amount of PAT-ADD COAL88 is system related, but generally between 0.2 and 2.0% PAT-ADD COAL 88, based on the total weight of paint formulation.

The product is best added during the let-down manufacturing stage.

The optimum concentration depends on individual formulation and conditions our recommendation is to determine this experimentally.

End Use Application

Waterborne dispersion paints, plasters and polymeric dispersions.

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: - 200.0 kgs, Can: - 25.0 kgs, IBCs: - 950.0 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.