

PAT-ADD AF 174

Product Data Sheet

Rev 00

August 2023



PATCHAM

A step towards sustainable chemistry

Product Features

PAT-ADD AF 174 is clear liquid de-aerator and defoamer for organic solvent borne coatings and inks. Considering the low dosages required, the product can also be considered for solvent-free systems.

Defoamer PAT-ADD AF 174 is versatile in application and effective in combating air inclusion from rolling, spraying or brushing, as well as manufacturing processes.

Main benefits are:

- Provides balance of defoaming and compatibility
- Best for varnishes and low pigment paints
- Maintains clear film appearance
- Clear liquid with excellent shelf stability
- Optimize in-can appearance, bubble-free surfaces in liquid resins, low viscosity paints, inks and varnishes

Physical Characteristics:

Appearance : Clear colorless Liquid

Viscosity @ 25°C/77°F : < 30 cP

Specific gravity @ 25°C/77°F : 0.790 - 0.830

Composition : Modified Polysiloxane

Solvent : Di-isobutyl ketone

Active content(120°C/1hr) : 1.00 %

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

Properties:

PAT-ADD AF 174 demonstrates perfect balance between effectiveness as a defoamer resp. de-aerator and compatibility.

PAT-ADD AF 174 shows excellent performances in application methods involving high risk for air inclusion, such as roller or spray applications. De-aeration for coatings applied onto a wide variety of substrates, including wood, plastics, metal or various primers.

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Dosage & Addition

The optimal amount of PAT-ADD AF 174 is system related, generally is between 0.1 to 0.8 % PAT-ADD AF 174 as supplied on the total weight of formulation. Appropriate compatibility conditions are required; related to system characteristics, including solvent composition. Typically, standard let-down incorporation conditions (mixer) is adequate.

The optimum concentration depends on the individual requirements and conditions and is best determined experimentally.

End Use Application

PAT-ADD AF 174 is suitable for solvent borne architectural, industrial, automotive, protective coatings and inks. The product is recommended for rapid curing systems, including plastic coatings, repair finishes, as well as printing inks and overprint varnishes.

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: - 165.0 kgs, Can: - 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.