

Product Features

PAT-ADD MA 2720 is a key surface-active agent to improve easy-to-clean properties of waterborne coatings.

The product is compatible with a wide range of coating systems. Main application is in topcoats.

Main benefits are:

- For durable and Easiest-to-clean coating surfaces
- Versatile in application, may be post-added during paint manufacturing, just by mixing.
- High surface activity for concentrated presence at the film surface
- OH- reactivity enables integration in the polymer matrix, for long duration of effectiveness
- Contributes to improved film dirt-resistance and water- and oil- repelling film properties

Physical Characteristics:

Appearance	: Clear to slightly hazy yellow liquid
Viscosity at 25°C/77°F	: 20-150 cP
Specific gravity at 25°C/77°F	: 0.970-1.020
Composition	: Polysiloxane based OH-functional polymer solution in Methoxy Propanol/Water
Solids content (120°C/1hr)	: 25.0 ± 2.0 %

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

Properties:

PAT-ADD MA 2720 shows superior surface activity, reducing film surface tension.

This activity explains its perfect performance, for instance in reducing dirt pick-up and furthermore to create easy-to-clean surfaces, increase water and solvent resistance as well as film slip-, mar resistance and anti-blocking properties.

In addition to film surface improvements, the use of Pat-Add MA 2720 typically is beneficial to other paint properties as well, notably to improving substrate wetting and levelling.

PAT-ADD MA 2720 may be cross-linked with the binder, using its reactivity with functional groups of hardeners, such as isocyanate, melamine, epoxy.

Dosage & Addition

PAT-ADD MA 2720 is preferably added during the let-down stage of the coating manufacturing process, applying moderate shear.

The amount of PAT-ADD MA 2720 to be used is generally between 3.0 and 6.0%, based on the total formulation.

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

End Use Application

PAT-ADD MA 2720 is designed for use in waterborne topcoats, such as based on 2-pack PUR, stoving systems and epoxies.

In order to ensure proper adhesion onto coating layers containing upper levels of suggested PAT-ADD MA 2720 dosages and fully integrated in the binder matrix, it is required to sand the surface carefully, prior to re-coating.

Shelf life

The product has a shelf life of 24 months from the date of manufacturing; in an unopened original container as supplied by Patcham when stored in a frost-free warehouse.

Storage and transportation

The product may separate during storage and transportation. Warm up to 25-30°C (77-86 °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: 200 kgs. /419 lbs., Pail: 25.0 kgs/44 lbs.

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.