

AGOCHEM[®] SAM – Improving your living environment

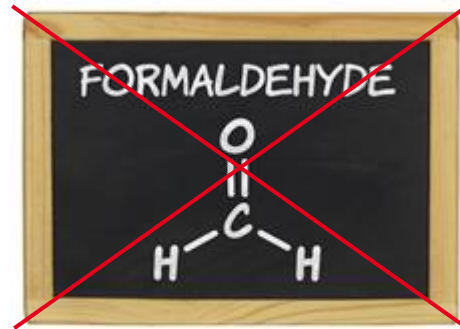
Formaldehyde scavenger for water-based Paints & Coatings

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SMART CHEMISTRY
WITH CHARACTER.

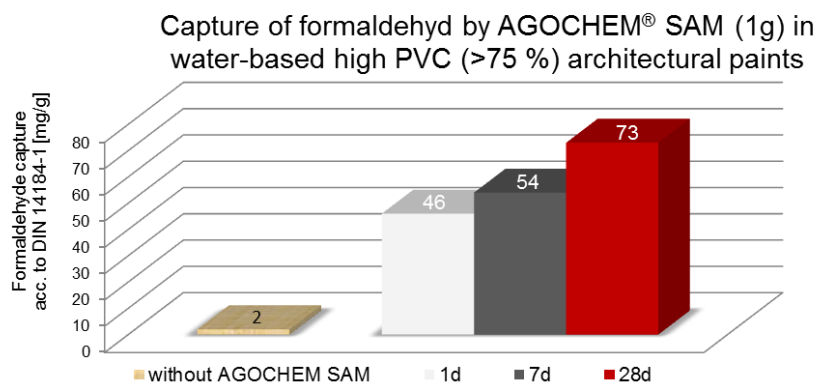
AGOCHEM[®] SAM

Highly effective formaldehyde scavenger for water-based Paints & Coatings

Increased emissions of formaldehyde or acetaldehyde in buildings can lead to various disease-related symptoms like skin irritations or even respiratory problems for sensitive people. In order to provide a healthy environment, formaldehyde scavengers help noticeably to improve the indoor air quality in diverse applications.



AGOCHEM[®] SAM is especially developed as additive for architectural paints to reduce the free formaldehyde content from ambient air. By adding only 1 % of AGOCHEM[®] SAM into water based high PVC architectural paint, a significant capture of formaldehyde can be recognized. Beginning from the first day after the application the uptake is measurable. Our test results show after 28 days the capacity of AGOCHEM[®] SAM is still not saturated and another 80 % of the theoretical maximum capacity is available. Taking standardized conditions into consideration, the chemically bounded formaldehyde will not be emitted anymore and the indoor air quality stays improved and clean.



Further, it could be used in heat-curing coating up to a temperature of 160°C without yellowing. We generally recommend an application amount of 0.5 - 1.5 % calculated on the total formulation. AGOCHEM[®] SAM can be added at any point of the production process at low to medium shear forces.

Advantages

- Highly effective
- Easy to incorporate
- Low odour
- Helps to improve indoor air quality
- VOC-free according to EU 2004/42/EG
- No yellowing (at high temperatures)

Application fields

- Architectural paints
- Industrial coatings
- Wood coatings
- Baked enamel systems
- Resin manufacturing

