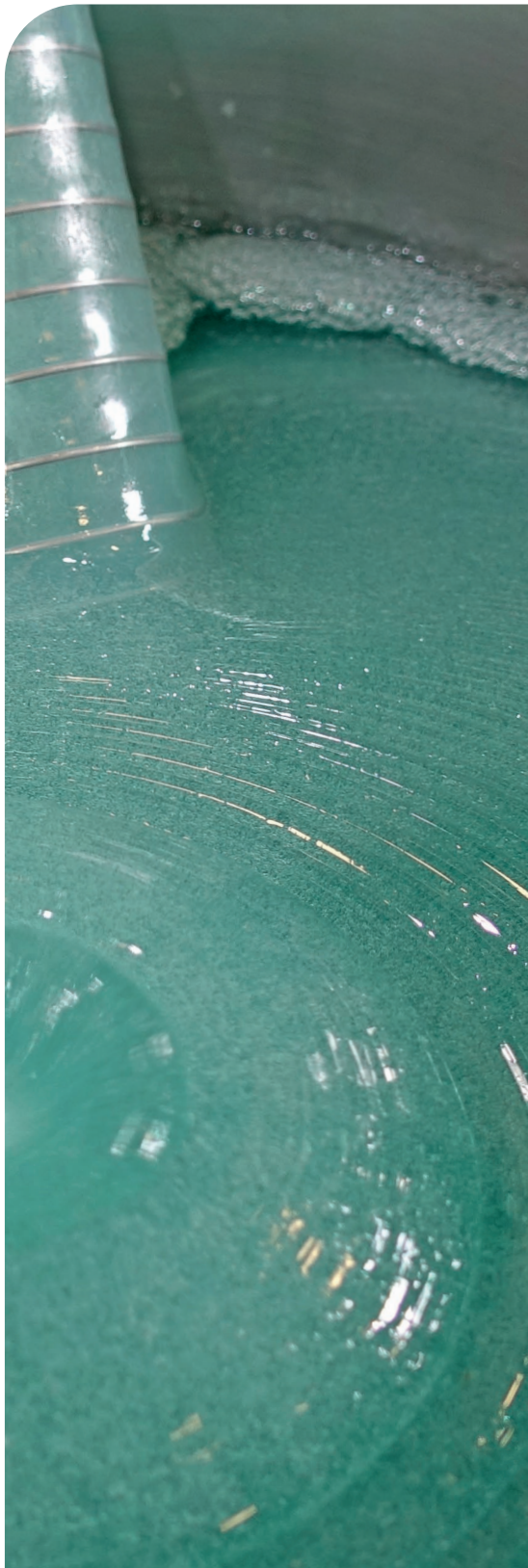


Acetoacetoxy Ethyl Methacrylate

AAEM



AAEM is a methacrylic monomer specifically suitable for formulating low VOC high-solid acrylic resins and acrylic emulsions. Due to its ability to easily react with amines and hydrazides, AAEM is the ideal monomer for self-crosslinking systems, even curing at room temperature. AAEM also perfectly polymerizes with other acrylic and methacrylic monomers. AAEM may also be crosslinked with metal ions by chelation for the preparation of acetoacetylated polymers.

AAEM's key attributes are

- Improved adhesion especially on metal substrates
- Improved coating-flexibility due to low glass transition temperature
- Outstanding flexibility and corrosion resistance
- Reacts with conventional cross-linkers
- Isocyanate-free crosslinking
- LOW VOC emissions due to reduced binder viscosity
- Curing at room-temperature

Recommended applications for AAEM are

- Adhesive polymers
- Automotive OEM-coatings
- Industrial coatings
- Architectural coatings
- UV-curing applications
- Self-crosslinking acrylic emulsion
- Acetoacetylated polymers
- Pharmaceutical intermediate
- Cosmetic polymer intermediate
- Agrochemical intermediate

Parameters

Appearance	Clear, light yellow liquid
Colour	max. 2 Gardener
Purity	min. 95%
2-HEMA	max. 4%
MAA	max. 0.5%
Viscosity	6.8 cP (@25 °C)
Specific Gravity	1.12 kg/l (@25 °C)
CAS No.	21282-97-3

AAEM is available in drums (210 kg) or IBCs (1000 kg) as well as in ISO-tanks (21.000 kg)

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