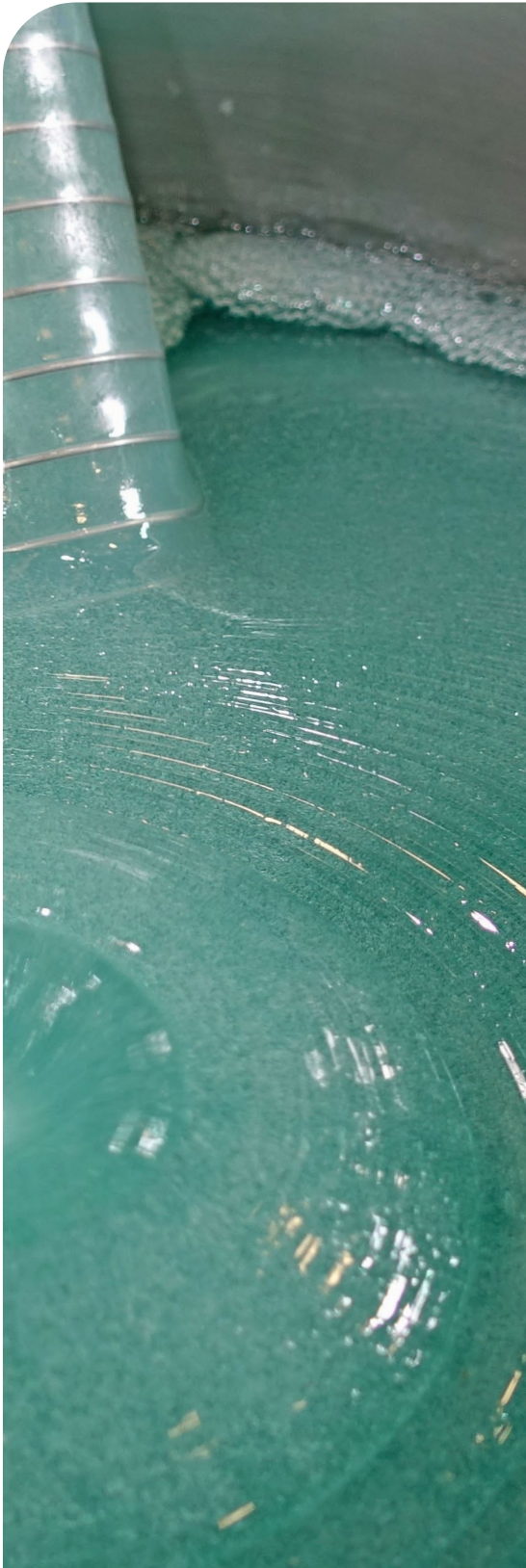


# Acetoacetoxy Ethyl Methacrylate

## 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

- Generally improved adhesion but especially on metal and wood substrates
- Improved coating-flexibility due to low T<sub>g</sub>
- Outstanding flexibility and corrosion resistance
- Reacts with conventional cross-linkers
- Isocyanate-FREE crosslinking
- LOW VOC emissions
- Curing works even at room-temperature

### Recommended applications for AAEM are

- Adhesive polymers
- Automotive OEM-coatings
- Industrial coatings
- Architectural coatings
- Reactive Monomer in UV-curing applications
- Self-crosslinking acrylic emulsion
- Cosmetic polymer intermediate for eg. nail-gels and laquers
- Textile printing Inks and dyes for colorfast textiles

### 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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