

076000 Dispersion K 498

Description

Aqueous emulsion of a thermoplastic, pure acrylic resin.

Storage

Keeps for 1 year if tightly closed, protected from frost and strong heat.

Product Properties

Solids content (DIN 53 189)	50 ± 1 %
Actual viscosity at 20°C (Brookfield viscosimeter III/6)	3000 - 10000 mPa.s
Ionic character	non-ionic
pH value (DIN 53 785)	9.0 ± 0.5
Density	1.05 g/cm ³
Average particle diameter	~ 0.15 µm
Minimum film-forming temperature (MFT) (DIN 53 787)	~ 5°C

General Information

Film Properties (after air-drying, without pigments)

Tensile test (DIN 53 455)

(cross-head speed: 100 mm/min)

Tensile strength	σ_R	~ 4 N/mm ²
Elongation at break	ϵ_R	~ 400%

Torsion pendulum test (DIN 53445) (frequency: 1 Hz)

Temperature at the damping maximum	$T_{\Lambda_{max}}$	~ 26°C
Shear modulus	$G_{20^\circ C}$	100 N/mm ²

Applications

Binder for the manufacture of non-yellowing, weather-resistant masonry paints, synthetic resin plasters, coatings on concrete roofing tiles, aerated concrete coatings, full-tone and tinting paints, primers, insulating paint coats, trowelling compounds.

Also suitable as an additive for the manufacture of organo-silicate paints.