

# Dispersion K 500

## 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 %
Actual viscosity at 20°C (Brookfield viscosimeter II/6)	1100 - 5000 mPa.s
Ionic character	non ionic
pH value (DIN 53 785)	9.5
Density	1.07 g/cm <sup>3</sup>
Average particle diameter	~ 0.15 µm
Minimum film-forming temperature (MFT) (DIN 53 787)	~ 7°C

## General Information

### Film Properties (after air-drying, unpigmented)

Tensile test (DIN 53 455)

(cross-head speed: 100 mm/min)

Tensile strength	$\sigma_R$	~ 3 N/mm <sup>2</sup>
Elongation at break	$\epsilon_R$	~ 500%

## Applications

Binders for the manufacture of weather-resistant, non-saponifiable and non-yellowing coatings.

Dispersion K 500 is suitable for the manufacture of abrasion-resistant interior paints, aqueous primers for absorbent substrates, synthetic resin-bound plasters, additives for hydraulic compounds and for the formulation of emulsion paints resistant to mineral oils.

Dispersion K 500 is particularly proven as a binder for high-quality coatings of aerated concrete.