

# Acronal<sup>®</sup> 5400 ap

Polymer Dispersion for Construction



## Chemical Nature

Acronal<sup>®</sup> 5400 ap is an aqueous anionic dispersion of an acrylic acid ester and styrene. Acronal<sup>®</sup> 5400 ap is a non-APEO, and non-plasticizer product.

## Technical Data

<b>Solids Content</b>	56.0– 58.0 %
<b>pH Value</b>	5.5 – 7.5
<b>Viscosity (23°C, RVT 3#, 50 rpm)</b>	100 – 1600 mPa.s
<b>Tg</b>	Approx. – 8 °C
<b>Density</b>	Approx. 1.04 g/cm <sup>3</sup>

## Application Areas

Acronal<sup>®</sup> 5400 ap is mainly used to manufacture cement-based, flexible waterproofing membranes being applied in and outdoor beneath tiles with good adhesion to the substrates and improved water resistance. It has an outstanding compatibility with various cements.

Other areas of application areas include for examples:

- Rigid and semi-flexible waterproofing slurries and mortar
- High-flexibility tile adhesives
- Repair mortars
- Protection against corrosion
- Additives for hydraulic binder system and others

## Processing

It is usually not necessary to add any plasticizer due to low film forming and glass transition temperature of Acronal<sup>®</sup> 5400 ap.

To avoid air voids content increase during processing of Acronal<sup>®</sup> 5400 ap, it is recommended to add commercial defoamer such as Foamaster MO NXZ. The exact amount of defoamer has to be determined in trials.

Customers have to carry out their own trials when developing and processing products contains Acronal<sup>®</sup> 5400 ap. This also include testing the storage stability of customer's finish product.

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