

## Technical Information

# Acronal<sup>®</sup> 7578

## Polymer Dispersions for Construction

### Chemical Nature

Acronal<sup>®</sup> 7578 is an anionic aqueous styrene-acrylate copolymer dispersion, free of APEO and formaldehyde.

### Application Areas

Acronal<sup>®</sup> 7578 is designed as mastic waterproofing membranes for flexible roof & exterior wall coatings, specifically for the rain-intensive Asia Pacific markets.

This new polymer combines a specific monomer composition with a specially designed emulsifier system, resulting in "best-in-class" water absorption for excellent water proofing properties. Due to its unique composition, the formulated waterproofing membrane shows no blistering, continuous strength and no delaminating, even after long-term and intensive immersion or exposure to water. It also demonstrates outstanding crack bridging properties and excellent weather resistance. This dispersion is well balanced between various mechanical properties such as elongation and tensile strength. It can be formulated without plasticizer, subject to performance requirement and formulation. It also has wide compatibility with various fillers for easy formulation.

### Processing

To avoid air voids content increase during processing of Acronal<sup>®</sup> 7578, it is recommended to add defoamer i.e. Foamstar PB 2706.

Additionally, dispersant could be added to achieve homogenous finish product.

Wetting agent is advisable to be added to improve the adhesion with substrate depending on the intended application and requests.

It is strongly recommended to carry out your own trials when developing and processing products contains Acronal<sup>®</sup> 7578. This also includes testing the storage stability of customer's finish product.

### Technical Data

Solids content	49-51%
pH value	7.5 – 8.5
Viscosity (DIN EN ISO 2555 RVT, 23°C,)	200 - 900 mPa·s
Density	approx. 1.04 g/cm <sup>3</sup>
Tg	approx. 23°C

BASF East Asia Regional  
Headquarters Limited  
Dispersions & Resins Asia Pacific  
45<sup>th</sup> Floor, Jardine House  
No.1 Connaught Place,  
Central, Hong Kong  
Tel: + 852 2731 0111  
Email: [dispersions\\_apac@basf.com](mailto:dispersions_apac@basf.com)  
[www.dispersions.asiapacific.basf.com](http://www.dispersions.asiapacific.basf.com)

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