

Acronal[®] ECO 7551 X

Polymer Dispersions for Construction



Chemical Nature

Acronal ECO 7551 X is an anionic aqueous dispersion based on Styrene /Acrylate polymer.

Acronal ECO 7551 X is a non-APEO, low VOC and ammonia free product.

Application Areas

Acronal ECO 7551 X is mainly used to manufacture cement-based, flexible waterproofing membranes being applied in and outdoor. It has excellent compatibility with cementitious product and provides great workability to modified mortars. A significant increase in flexural strength and water resistance is observed for the compounds modified with Acronal ECO 7551 X. Low VOC make any indoor application with Acronal ECO 7551 X less odor and more environment friendly. Acronal ECO 7551 X is also recommended to produce flexible and semi-flexible mortars, high-flexibility tile adhesives and additive for hydraulic binder systems. Formulator can use this one dispersion for different flexibility application such as for both JS-II and JS-III grade formulation according to chinese standard.

Processing

Low VOC and no ammonia is released when Acronal ECO 7551 X is processed in combination with strongly alkaline mineral binders such as cement. For 2K cementitious application, FoamStar PB 2706 is recommended to be added as defoamer to the liquid component which contains Acronal ECO 7551 X. To achieve proper rheology polyurethane-based thickeners could be used.

Acronal ECO 7551 X has a shelf life of six months at 10–30°C in tightly sealed containers. It is not resistant to low temperature stability. This product must not be allowed to come into contact with bare iron or copper and its alloys during storage.

It is strongly recommended to carry out your own trials when developing and processing products contains Acronal ECO 7551 X. This also includes testing the storage stability of customer's finish product.

Technical Data

Solids content	56 - 58 %
pH value	6.5 – 8.5
Viscosity RVT, 23°C sp2/20rpm	200–900 mPa·s
T_g	approx. -5 °C
Density	approx.1.03 g/cm ³

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