

# Acronal<sup>®</sup> 4160

## Chemical Nature

Aqueous styrene-acrylate copolymer dispersion for the manufacture of tack free membranes

### Properties

#### Typical Properties

Solids content	%	44.0 – 46.0
pH		7.0 – 8.0
Viscosity at 73 °F (Brookfield RV, Spindle #2, at 20 rpm)	cps	200 – 1000

#### Other properties of the dispersion

Density at 23 °C	lbs/gal	8.6
Type of dispersion		anionic
Freeze-thaw stability		protect from freezing

\* The above values should not be taken as specification

### Application

#### Features

Acronal 4160 is a low VOC, non-APEO, styrene-acrylate copolymer dispersion recommended for use in membrane type coatings. Due to its high glass transition temperature (T<sub>g</sub>), a film forming aid is required in formulations to ensure desired polymer particle coalescence (i.e. film formation). Dry films produced from Acronal 4160 are tack free, strong and water resistant.

#### Processing

Although Acronal 4160 is protected from attack by microorganisms, preservatives must be added to the produced formulations in order to ensure that their quality remains unimpaired over long storage periods. Prior experiment is essential for checking their compatibility and efficiency.

### Safety

#### General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

#### Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Acronal 4160.

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