

# Acronal<sup>®</sup> 3727 X

## Adhesive Raw Material

### Product description

Acronal A 3727 X is used to manufacture pressure-sensitive adhesives for filmic labels in curtain and cascade coaters. The high transparency, good cohesion and water whitening resistance of its film allows its use in clear-on-clear labels for beverage applications. The good immediate tack and high peel strength on low surface energy materials, makes it suitable for general purpose filmic labels as well.

### Chemical nature

Aqueous dispersion of an acrylate copolymer.

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## Properties

### Physical form

Liquid dispersion

### Technical data

(no supply specification)

Solids content	DIN EN ISO 3251	~ 55 %
pH Value	DIN ISO 976	~ 5
Viscosity	DIN EN ISO 3219	≥ 200 mPa·s
Glass transition temperature		~ - 45 °C

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## Application

The pH should be slightly alkaline when Acronal 3727 X is mixed with other dispersions.

Wetting problems can often be overcome by adding about 0.3 % of a surfactant such as Lumiten® I- SC.

Commercial antifoams such as Foamaster WO 2323 can be used to suppress foam. It is usually sufficient to add 0.05 – 0.2 %, expressed as a proportion of the adhesive.

We would recommend adding a preservative to adhesives formulated with Acronal 3727 X to protect them from being attacked by microorganisms. Trials should be performed to test and monitor the efficacy of the preservatives.

Acronal 3727 X was specially designed to be applied with curtain and multilayer cascade coaters.

Customers have to carry out their own trials when developing and processing laminating adhesives based on Acronal 3727 X. The compatibility of Acronal 3727 X with other ingredients of formulations and its ability to wet and adhere to different substrates, etc., are affected by a variety of factors which are too numerous for us to take into account in our own trials.

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### Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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