

# Acronal<sup>®</sup> MB 5049

## Polymer Dispersions for Construction

### Chemical nature

Acronal<sup>®</sup> MB 5049 is the Biomass Balance version of Acronal<sup>®</sup> 5047.

Aqueous dispersion of an acrylic ester copolymer, produced using acrylonitrile, produced without the addition of APEO.

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### Properties

#### Technical data

(not supply specification)

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|-------------------|---|----------------|
| Solid content     | DIN EN ISO 3251                             | ~ 55 %         |
| pH value          | DIN ISO 976                                 | 6.3 - 7.3      |
| Dynamic viscosity | DIN EN ISO 3219<br>Annex A (23 °C, 100 1/s) | 70 - 250 mPa.s |
| Glass temperature |   | ~ - 22 °C      |

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## Application

### Areas of application

Acronal® MB 5049 is used to manufacture adhesives for the laying of all standard flexible flooring materials (textile, PVC, rubber floorings, etc.).

Acronal® MB 5049 allows the manufacture of adhesives with a resin solution. Furthermore, it allows the manufacture of adhesives with resin melt, especially very low emission adhesives coping with the requirements of EMICODE® EC1+ and the Blue Angel (DE-UZ-113).

Flooring adhesives made of Acronal® MB 5049 are characterized by a well-balanced adhesion/cohesion ratio and an excellent workability.

Due to the Biomass Balance approach Acronal® MB 5049 has a considerably reduced product carbon footprint ("cradle to gate") compared to Acronal® 5047.

### Processing

Together with added fillers, resins, etc., Acronal® MB 5049 is processed into adhesives in the usual mixing equipments.

Standard commercial antifoaming agents (e.g. FoamStar® SI 2210) can be used to suppress foaming. In general, it is sufficient to add 0.1 – 0.3 % anti-foaming agent in relation to the adhesive mixture. Nevertheless, the optimal amount required must be determined in tests.

Addition of biocides into adhesives containing Acronal® MB 5049 is recommended to protect them from microbial attack.

### 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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