Acronal® MB A 200

Polymer Dispersions for Construction

Chemical nature

Acronal® MB A 200 is the Biomass Balance version of Acronal® A 200.

Pure acrylate dispersion, manufactured without the addition of APEO.

Properties

Physical form

liquid

Technical data
(not supply specification)

Solid content	DIN EN ISO 3251	67.0 – 71.0 %
pH value	DIN ISO 976	6.5 – 8.0
Viscosity, dynamic	DIN EN ISO 3219 (100 1/s, 23 °C)	150 – 500 mPa.s
Glass transition temperature (Tg)		~ -43 °C
MFFT	DIN ISO 2115	< 1 °C
Initial melting point[1]		≤ 20 °C

[1] According to Commission Regulation (EU) 2023/2055 of 25 September 2023 amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards synthetic polymer microparticles.
The initial melting point was determined according to the position paper of the European Polymer Dispersion and Latex Association (EPDLA's position paper on polymer dispersions, redispersible polymer powders made thereof and synthetic polymer microparticles) from December 2024 and the method described therein.

Application

Areas of application

Due to its high tack Acronal® MB A 200 is very suitable for flooring fixations.

Additionally, we recommend Acronal® MB A 200 for the manufacture of resin-free adhesives for flexible floorings.

Due to its low inherent smell and also due to the applicability in resin-free formulations, Acronal® MB A 200 is especially recommended for low-odor adhesives.

Acronal® MB A 200 is suitable for low VOC emission formulations (Emicode® EC1 or even EC1PLUS). Furthermore, it can be used in products with the Blue Angel (DE-UZ-113).

Due to the Biomass Balance approach Acronal® MB A 200 has a considerably reduced product carbon Footprint (“cradle to gate”) compared to Acronal® A 200.

Processing

In the manufacture of flooring adhesives based on Acronal® MB A 200 the dispersion is put into a mixer and then dispersant (e. g. Dispex® AA 4135), antifoam (e. g. FoamStar® SI 2210) and thickening agent (e.g. Rheovis® AS 1125) are added; finally, the fillers are stirred in. If a strong alkaline solution or ammonia is added, the viscosity rises considerably.

We recommend adding preservatives to adhesives that contain Acronal® MB A 200 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

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