

Technical Information

Acronal® 7590

Polymer Dispersions for Construction

Chemical Nature

Acronal® 7590 is an aqueous acrylic dispersion. Acronal 7590 is a APEOfree, non-formaldehyde, non-ammonia and very low odor product.

Technical Data

Solids content	53.5 – 55.5 %
pH value	5 – 7
Viscosity 23°C RVT sp.2/20rpm	300 – 4,000 mPa·s
Density	approx. 1.04 g/cm ³
Tg	approx. -23°C
MFFT	approx. 0°C

Application Areas

Acronal® 7590 is mainly used to manufacture adhesives for the laying of various types of standard flexible flooring materials including textile, PVC, rubber floorings, etc. Acronal® 7590 allows the manufacture of adhesives with a resin solution.

Flooring adhesives made of Acronal® 7590 are characterized by a wellbalanced adhesion/cohesion ratio and an excellent workability, such as outstanding legging property, very good initial tack and longer open time even at lower content of resin melt.

Furthermore it allows the manufacture of adhesives with resin melt, especially very low emission adhesives coping with the requirements of the industrial "Green Logo" certification.

Processing

Together with added fillers, resins, and additives etc., Acronal® 7590 is processed into flooring adhesives in a high speed dispersing and mixing equipment.

Rheology modifiers (e.g. Rheovis® AS 1125, Rheovis® HS 1152) are necessary for proper viscosity and workability. Dispersing and wetting agents (e.g. Dispex® AA 4140, Hydropalat® WE 3322) need to be added before fillers. Standard commercial defoamers (e.g. Foamaster® MO 2134) can be used to suppress foaming. Addition of biocides into adhesives containing Acronal® 7590 is recommended to protect them from microbial attack. Nevertheless customers need their own trials and tests for the optimal formulation and proper quality.

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