

Acronal[®] 7590 X

Polymer Dispersions for Construction

 **BASF**
We create chemistry

Chemical nature

Acronal 7590 X is an aqueous acrylic dispersion. Acronal 7590 X is a APEO-free, non-formaldehyde, non-ammonia and very low odor product.

Application areas

Acronal 7590 X 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 X allows the manufacture of adhesives with a resin solution.

Flooring adhesives made of Acronal 7590 X are characterized by a well-balanced 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 X 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 X is recommended to protect them from microbial attack.

Nevertheless customers need their own trials and tests for the optimal formulation and proper quality.

Technical Data

Solids content	53.5 – 55.5%
pH value	5 – 7
Viscosity 23°C RVT sp.2/20rpm	300 – 4000 mPa · s
Tg	approx. - 23 °C
MFFT	approx. 0 °C

BASF (China) Co., Ltd.
Polymer Dispersions for
Construction

No 300, Jiangxinsha Road,
Pudong, Shanghai 200137,
P.R. China

Tel: +86 21 2039 1000

Fax: +86 21 2039 4800

www.basf.com/dispersions

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