

OSAKRYL[®] AW 24

Water dispersion of
acrylic copolymer

Technical Data Sheet

Pilot batches

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Approved by: Product Manager – Dominika Słotwińska

Previous editions of this document have lost their validity

CHARACTERISTICS

Osakryl[®] AW 24 is a water dispersion of acrylic copolymer produced in the presence of emulsifying system composed of ionic and anionic surface active agents. Product is designed as a binder for decorative and protective wood coatings.

GENERAL PROPERTIES

- APEO free
- free of solvents

Used as a binder promotes very good adhesion to various porous materials as well as very good resistance to atmospheric conditions.

BASIC PARAMETERS

Parameters	Units	Values	Test methods
pH	-	7,0÷8,0	PN-EN 1245
solids content	%	48±1	PN-EN 827
viscosity by Brookfield LVDV ¹⁾	mPa·s	50÷500	PA 07-08
MFFT (minimal film forming temperature)	°C	ca. +12	PN-90/C-89415
Tg (glass transition)	°C	ca.+24	differential scanning calorimetry (DSC)
mean particle size	nm	ca.100	photon correlation spectroscopy (PCS)

¹⁾ rotors per minute: 60; rotor nr 1/2; temperature: 23°C; after 5 minutes

APPLICATON

After evaporation of water in the temperature above 12°C Osakryl[®] AW 24 forms a transparent film with good adhesion to wood. Product is well dilutable with water and well miscible with inorganic fillers and pigments. In our experience Osakryl[®] AW 24 can be used with all available raw materials designed for water-based products formulation. Product is sensitive to glycol ethers, so compatibility tests shall be conducted before application. Recommended coalescing agents are butyldiglycol acetate, Dowanol TPNB, Dalpad Filmer, Texanol.

PACKAGE AND TRANSPORTATION

IBC plastic containers or plastic drums with polyethylene bags inside. Package and transportation are not subject to regulations for hazardous materials transportation (ADR, RID). The other packages can also be used if previously agreed between the producer and a customer. Package must not deteriorate the product.

STORAGE

Store at temperature range from 5 to 35°C. Drums should be stored in one layer. If stored in these conditions the product does not change its properties in the period of six (6) months from the date of production.

This document is of an informative character. The information given herein is based on the present state of our knowledge and experience. It makes neither product properties nor qualitative parameters guarantee and cannot be used as a basis of any claims. The information provided cannot be used for any mixtures with any other substances. Product should be transported, stored and used in accordance with valid regulations and good occupational hygiene practice. Making use of the information as well as product application is beyond the producer control and determination of the safe conditions of use is the sole responsibility of a customer.