

OSAKRYL[®] OSA H

Water dispersion of
styrene-acrylic copolymer

Technical Data Sheet

Pilot batches
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PRODUCT CHARAKTERISTICS

Osakryl[®] OSA H is a water dispersion of styrene-acrylic copolymer produced in the presence of emulsifying system composed of ionic and non-ionic surface active agents. Product is designed for the formulation of two components hydroisolations, mortars modification, different types of elastic adhesives and elastic coatings for building industry.

GENERAL PROPERTIES

- APEO free
- solvent free

Applied as a binder exhibit very good adhesion to various substrates and high film elasticity.

BASIC PARAMETERS

| Parameters | Units | Values | Test Methods |
|---|-------|-----------|---|
| pH | - | 7,0÷7,5 | PN-ISO 1148 |
| solids content | % | 55±1 | PN-EN 827 |
| viscosity by Brookfield RVT ¹⁾ | mPa·s | 1000÷5000 | PN-ISO 2555 |
| MFFT (minimal film formation temperature) | °C | <0 | PN-90/C-89415 |
| Tg (glass transition) | °C | ca. -40 | differential scanning calorimetry (DSC) |
| mean particle size | nm | 180÷210 | photon correlation spectroscopy (PCS) |

¹⁾ rotors per minute: 20; rotor No. 4; temperature: 23°C

APPLICATION

After evaporation of water Osakryl[®] OSA H forms a transparent film. Product is dilutive with water and well miscible with inorganic fillers and pigments. According to our experience Osakryl[®] OSA H can be used with majority available raw materials designed for water-based products formulation.

PACKAGE AND TRANSPORTATION

IBC containers or plastic barrels 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 or IBC containers 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.