

# OSAKRYL<sup>®</sup> OSA S20

Water dispersion of  
styrene-acrylic copolymer

## Technical Data Sheet

Pilot batches

Date of edition: 22/11/2012

Edition no.: 1

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### CHARACTERISTICS

Osakryl<sup>®</sup> OSA S20 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 interior and exterior decorative - protective paints and plasters as well as for primers.

### GENERAL PROPERTIES

- APEO free
- free of solvents
- high share stability

In coatings exhibit very good adhesion to various porous materials, especially cement, cement-limestone, etc. porous substrates; very good wet scrubbing resistance and good alkali resistance

### BASIC PARAMETERS

Parameters	Units	Values	Test methods
pH	-	7,5÷8,5	PN-EN 1245
solids content	%	49±1	PN-EN 827
viscosity by Brookfield RVT <sup>1)</sup>	mPa·s	1000÷5000	PN-ISO 2555
MFFT (minimal film forming temperature)	°C	ca.20	PN-90/C-89415
Tg (glass transition)	°C	ca.23	differential scanning calorimetry (DSC)
mean particle size	nm	100÷130	photon correlation spectroscopy (PCS)

<sup>1)</sup> rotors per minute: 20; rotor nr 4; temperature: 23°C; after 5 minutes

### APPLICATON

After evaporation of water in the temperature above 20°C Osakryl<sup>®</sup> OSA S20 forms a transparent film. Product is well dilutable with water and well miscible with inorganic fillers and pigments. In our experience Osakryl<sup>®</sup> OSA S20 can be used with all available raw materials designed for water-based products formulation.

### 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.*