

TECHNICAL DESCRIPTION  
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Cancels and replaces all previous editions

## ORGACRYL ROH 32 – 65 M



### Hydroxyl-acrylate copolymer

<b>Supply form:</b>	65% solution in Shellsol A-100 / butyl acetate
<b>Use:</b>	Acrylate copolymer that contains OH groups – 3,2%. It is used for formulating of two-component lacquers and enamels for vehicles refinish.
<b>Classification:</b>	Meets the requirements of EU legislation.

### CHARACTERISTICS

INDEXES	NORM
<b>Appearance:</b> (visually)	Clear viscous liquid
<b>Colour Hazen:</b> (BNS ISO 2211)	max 45
<b>Non-volatile content, 0,5-0,8g/150°C/1 h:</b> (BNS EN ISO 3251)	65±1%
<b>Viscosity Hoppler at 25°C:</b> (BNS 15654-83)	5000-7000 mPa.s
<b>Acid number, form of delivery:</b> (BNS EN ISO 3682)	max 12 mgKOH/g,
<b>Hydroxyl number of 100 % resin:</b> (BNS EN ISO 4629)	100±5 mgKOH/g

### OTHER INFORMATION

<b>Viscosity Brookfield at 23°C:</b> (ISO 2555)	6000-8500 mPa.s
<b>Density at 20°C:</b> (BNS ISO 2811-1)	1,0 g/cm <sup>3</sup>

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**Flash point, covered pot:**  
(BNS ISO 2719)

32°C

**Solubility:**

Esters, ketone and organic solubility in aromatic hydrocarbons

**Application:**

Orgacryl ROH 32-65 M is acrylate resin for formulation of two components colourless coatings and enamels. For hardening use aliphatic isocyanates in ratio NCO:OH=1:1. The coatings have high gloss, resistance to chemicals and atmospheric impacts

Polyisocyanate stoichiometry calculation:

$$\text{Polyisocyanate (f.o.d.)} = \frac{42 \times 100 \times \text{OH\% (solid resin)}}{17 \times \text{NCO\% (f.o.d.)}}$$

42= molecular weight of the NCO group

17= molecular weight of the OH group

f.o.d.= form of delivery

**Packaging:**

In metal barrels; plastics containers; cisterns from stainless steel

**Storage:**

Store in well closed packages, in sheltered, dry and well-ventilated storages, protected from direct sunlight, at a temperature up to 30°C.  
Shelf life -12 months from the production date.

**Hygiene, safety work and ecology:**

Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of Orgacryl ROH 32-65 M. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed.

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The present technical description has the purpose to inform the clients on the quality of our product. The data herein is based on our present best knowledge. We invite our clients before work to check the quality of the product or its adaptation to the base and to make an experimental application. Our clients must be sure, that the present technical description hasn't been changed or replaced by a newer edition.

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