

TECHNICAL SHEET 16.03-eng
SEALANTS



JUBOFLEX Akril

Acrylic sealant

1. Description, Application, Characteristics

JUBOFLEX Akril is a one-component sealant based on the acrylate dispersion. It is used in construction industry. It doesn't contain organic solvents. It is distinguished by easy application, excellent adhesion to porous materials; it can be used also on completely dry surfaces. Upon drying, it becomes insensitive to water; therefore, sealed surfaces can be cleaned with mild solution of traditional household preparations. It doesn't slip when applied to vertical cracks. It may be covered with a majority of water-, epoxy- and polyurethane-based paints and varnishes. It is resistant to atmospheric influences, sun light and ageing. It is suitable for

- a) Sealing joints between different porous materials – concrete, porous concrete, wood, ceramic tiles, gypsum cardboards;
- b) Sealing cracks when building in window and door frames;
- c) Repairing minor cracks on rendered wall surfaces
- d) Filling in joints of dry wall constructions with massive parts of buildings. .

2. Packaging and Colour Shades

Cartridges holding 300 ml (12 pieces per carton)

Colour shades: white RAL 9016

3. Technical Data

Unhardened compound	
Appearance	Paste
Method of hardening	Water evaporation
Density	1580 ± 30 kg/m ³
Film-forming time T = +23 °C, RH = 50 %	10 – 15 min
Application temperature	+5 °C to + 40 °C

Hardened compound	
Shore hardness A ISO 868	20 - 25
Volume change SIST ISO 10563	13 ± 1%



Tensile strength SIST EN 28339	0.13 ± 0.02 MPa
Elongation at rupture SIST EN 28339	350 ± 50 %
Temperature resistance	-20 °C to +75 °C
Time when the applied compound is suitable for painting T = +20 °C, RH = 65 %	After 24 hours at thickness of 3 mm After 48 hours at thickness of 5 mm

4. Surface Preparation

Joint surfaces must be solid and clean, it is not necessary that they are completely dry. Remove the following from the crack: dust, pieces that have peeled off and other substrates, non-adhered or badly-adhered particles as well as oil and other fat linings. Better adhesion of the compound to porous surfaces is achieved if they are precoat. The precoat should be prepared by mixing sealant with water (sealant : water = 1 : 3). The precoat is applied by using brush or cloth; few minutes later a crack is filled with sealant. For better appearance of the filled crack, its edges are fixed with a self-sealing protective tape.

5. Instruction for Use

A cartridge is cut at the screw thread and a spike is attached onto it. The spike is then cut obliquely depending on the crack width. The so prepared cartridge is inserted into the gun. The sealant is applied as evenly as possible. When work is interrupted or when a cartridge is replaced, the handle on the gun is eased and the piston is pulled back. The compound applied in the crack is levelled with a smoothing device or a finger dipped into soapy water.

Protective self-sealing tape is removed immediately or before the applied compound begins to harden. Fresh stains can be removed with water, while hardened compound can only be removed mechanically.

Application of the sealant is possible only in suitable conditions or suitable microclimate conditions: the temperature of the air and the wall surface should be between +5°C and +40°C and the relative air humidity should not exceed 80 %. Façade surfaces are protected from sun, wind and rainfall by protective scaffold nettings; however, do not conduct any work in rain, fog or strong wind (≥30 km/h) despite such protection.

In normal conditions (T = +20 °C, relative air humidity = 65 %), resistance of the freshly sealed cracks to damage due to precipitation is achieved within 24 hours at the latest.

Consumption of the sealant depends on width and depth of cracks. The following table includes omnibus data on length of cracks which can be filled with the compound from one cartridge (300 ml).

Crack depth (mm)	Crack width (mm)			
	4	6	8	10
4	18.7	12.5	9.3	
6		8.3	6.2	5
8			4.7	3.7
10				3.0

6. Tool Cleaning, Waste Management

Thoroughly clean the tools with water immediately after use.

Keep unused compound in well-sealed packaging for potential repairs or later use. Deposit hardened remains onto the dumping grounds of construction waste (waste classification number: 17 09 04) or municipal waste (waste classification number: 08 01 12).



Cleaned packaging can be recycled.

7. Safety at Work

There are no special safety measures required when working with JUBOFLEX acrylic sealant.


8. Storage, Transport Conditions and Durability

Storage and transportation at temperature of +10 °C up to 30 °C, in originally sealed packaging, protected from direct sunlight, out of the reach of children. IT MUST NOT FREEZE!

Shelf life when stored in an originally sealed and undamaged packaging: at least 24 months.

9. Quality Control

The product's quality characteristics are determined by the internal manufacturing specifications as well as by the Slovenian, European and other standards. JUB ensures achieving of the declared or set quality level by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years and which comprises daily quality checks in our own laboratories, occasionally at the Construction Institute in Ljubljana and at other independent expert institutions in Slovenia and abroad. During the manufacturing process, JUB strictly complies with the Slovene and European standards for the protection of the environment and for ensuring security and health at work, which has been confirmed by the ISO 14001 and OHSAS 18001 certificates.

	<p>JUB d.o.o. Dol pri Ljubljani 28 SI – 1262 Dol pri Ljubljani</p>
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<p>DoP: 43021062</p>	<p>EN 15651-1:2012</p>

10. Other Information

Technical instructions contained in this brochure are provided on the basis of JUB's experience. However, due to specific conditions and methods of work we recommend preliminary testing for each case of use. JUB cannot accept any responsibility for damage caused by incorrect selection of a product, incorrect use or unprofessional work.

This technical sheet supplements and replaces all preceding editions. JUB reserves the right to change and supplement data in the future.

Designation and date of issue: **TRC-070/14-pek**, 25 July 2014

JUB d.o.o.
Dol pri Ljubljani 28, 1262 Dol pri Ljubljani, Slovenia
T: (01) 588 41 00 h.c.
(01) 588 42 17 Sales
(01) 588 42 18 ali 080 15 56 Technical support
F: (01) 588 42 50 Sales
E: jub.info@jub.si
www.jub.eu



The product is made by the holder of ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 certificates

