

## Technical Data Sheet

# FLEXPUR 50 PREMIUM SEALING-GLUING COMPOUND

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Single-component elastic sealing-gluing compound on the basis of polyurethane.

### The product description

Single-component permanently elastic sealing polyurethane adhesive and an adhesive for constructional and industrial applications.

The product has been introduced into turnover in accordance with No. 305/2011 (EU) order and with functional properties assessment made in conformity with European harmonized norms: EN 15651-1 and EN 15651-4. The product has marking CE; Declaration of Performance No. EN-1/FP/2023 has been issued for it.

### Purpose

- expansion gaps filling
- welded and bolted connections sealing
- sealing in shipbuilding and boatbuilding industry
- gluing and sealing of bus and container body panelling elements
- bonding of polyurethane lagging

### Technical data

Characteristic	elastic
Density	1,08 ± 0,03 g/ml
Consistence	thixotropic
Sedimentation	not found
Shore hardness (after 28 days)	45 - 55°ShA
Tensile strength	>2,5 MPa
Elongation at break	>300%
Thermal resistance after setting	from -40 to +90°C
Fastness to acid environment	fairly good
Fastness to water (and salt) medium	right
Resistance to UV radiation	right

### Properties\*

FLEXPUR 50 PREMIUM sets under the influence of moisture contained in air and glued materials. It is permanently elastic. The product gives evidence of excellent adhesion to most materials used in building and other industries. It is resist against vibrations and water influence.

### Shelf life

12 month. Closed container store at temperature from +5 to +25°C.

### The product processing conditions

Foundation type:	almost all foundations found in building industry, like wood, stone, concrete, metal, plastics.
The surface condition:	glued surfaces should be free of dirt and degreased, if necessary.
Processing temperature range:	+5 to +40°C.
Smoothing period:	about 10 minutes (23°C and 55% relative humidity)

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Peel formation time: from 20 to 40 minutes (23°C and 55% relative humidity)  
Setting time: 3 mm/24h (23°C and 55% relative humidity)  
Tool: manual or pneumatic gun.  
Limitations: use the container content during 24h after the container opening. Do not use the product for bituminous foundations (excluding building paper side sprinkled with mineral material), PE, PP, Teflon. Do not paint with paints on the base of alkyd resins (drying slowing down risk).  
The joint width: from 4 to 20 mm in accordance with mentioned below ratios:

The recommended joint dimensions ratios and output for one container 600ml:

Width of the joint [mm]	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Depth of the joint [mm]	7	7	8	8	8	10	10	10	10	10	10	12	12	12	12	12	12
Length of the joint [m]	21	17	13	11	9	7	6	5	5	5	4	3	3	3	3	3	2

To obtain the joint required depth and do not allow three-point contact of the joint one should use expansion gaps.

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### \*Remarks

Data contained in this information have been obtained in model conditions. The results obtained in other conditions can slightly differ from above mentioned.

**Every time the user is obliged to check the product and auxiliary agents usefulness for his intentional use.**

**The user is obligated to have a valid technical data sheet and safety data sheet of the product, which is provided by the manufacturer during the sale and every time on the customer's request.**

**Prior to processing the user must carefully read aforementioned documentation and follow the rules of procedure for product use.**