

BAUFLEX® 25

Two component, flexible high performance sealant for internal and external flooring

PRODUCT DESCRIPTION

BAUFLEX 25 is a two component, polyurethane based flexible sealant, with high mechanical resistance.

AREAS OF USE

- Contraction and expansion joints in floors
- Indoor and outdoor applications for warehouses, production areas, pedestrian and traffic areas when leakproofing is required
- On surfaces such as in food industry and surfaces exposed to weather and temperature differences

CHARACTERISTICS

- High flexibility
- High adhesion to concrete
- High resistance to tearing
- Very good mechanical and chemical resistance
- For indoor and outdoor applications

APPLICATION CONDITIONS

BAUFLEX 25 can be used at ambient and surface temperature +10°C - 25°C only, air moisture max. 80%. Existing joints must be dry and free of any moisture (humidity <4%). Working areas should be well ventilated and protected against access by unauthorized persons and to maintain a protection zone against an open flame, especially the welding work.

SURFACE PREPARATION

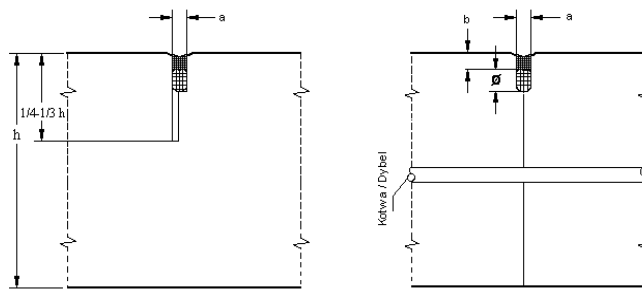
After 28 days joints should be increased to the correct width and depth. The edges of the joints should be beveled using angle grinder. Vacuum joints thoroughly. Surface must be clean, dry, homogeneous, free of grease, dust and loose particles. Old paints, cement wash, loose particles must be removed. After vacuum, insert polyethylene cord BAUCORD to the correct depth. BAUCORD diameter should be about 25% larger than the width of the joint. Prime the beveled edges and sides of the joints using BAUFLEX PRIMER and leave for about 60 minutes, when the primer becomes tacky.

MIXING

BAUFLEX 25 is supplied in two containers - component A and component B. Prior to mixing, stir component A. Add the component B and mix using a mechanical stirrer at speed of 300-600 RPM. Mixing time- 3 minutes, until a uniform mix has been achieved. During mixing scrape the sealant from the walls and bottom of container using a stirrer. Potlife at +20°C about 30 minutes.

APPLICATION METHOD

Pour BAUFLEX 25 into the application tool and firmly squeeze out into the joints making sure that it is full contact with the side of the joint. Fill the joints avoiding air entrapment. Remove excess of the sealant. If masking tape has been used, remove it whilst the sealant is still soft. When surface and ambient temperature exceed 15°C, the surface can be used after 24 hours. Freshly filled joints must be protected against water for a period of min.8 hours.



Contraction joint

Expansion joint

a – width of joint

b – depth of joint

Ø – BAUCORD diameter

h – thickness of concrete floor

DIMENSIONS OF CONTRACTION AND EXPANSION JOINTS

Floor type	Dimension of the side of the field [m]	Width of joint [mm]	Depth of joint [mm]	BAUCORD diameter [mm]
I	3 do 6 m	5*)	5*)	6*)
I	3 do 6 m	6	6	8
Ec	3 do 4 m	5*)	5*)	6*)
Ec	3 do 4 m	6	6	8
Ec	4 do 6 m	6*)	6*)	8*)
Ec	4 do 6 m	8	8	10
Eu	3 do 4 m	10	10	13
Eu	4 do 6 m	12	12	15

I – Internal floors

Ec – External floors covered

Eu – External floors uncovered

*) dimensions allowed in the case of using a low-shrinkage cement CEM I MSR 42.5 NA in concrete mix, which is recommended as safe against to threatening reaction of alkali contained in the cement with reactive aggregates

CLEANING OF TOOLS

Clean all tools and application equipment with acetone immediately after use. Hardened material can only be removed mechanically.

HEALTH AND SAFETY PRECAUTION

BAUFLEX 25 is physiologically indifferent to the human organism after hardening. Uncured components are harmful to the health. Rooms in which works are carried out must be well ventilated. Workers should use protective clothing, shoes, glasses and gloves. In case of contact with the skin, immediately wash off with acetone, flush the water with soap and use the cream. Avoid contact with eyes. If contact occurs, seek medical attention. The components are harmful and can not get into the drains and groundwater. Keep out of reach of children.

MISCELLANEOUS INFORMATION

All the information herein refers to products stored and used according to our recommendations, has been presented in good faith and takes into account the current state of knowledge and experience of BAUTECH. You are obliged to use the product in accordance with its intended purpose and BAUTECH's recommendations. All the technical information provided is based on laboratory tests and trials. Out-of-laboratory tests may give different results due to the conditions, location, manner of application and other circumstances that are out of BAUTECH's control. Any different recommendations issued by our employees must be made in writing; otherwise, they shall be deemed null and void. These instructions replace all the previous ones and make them void.

PACKAGING

Component A + component B = 2250 ml

STORAGE

6 months from the date on the packaging, if stored in original, tightly closed packaging, in ventilated rooms, at the temperature between 5°C and 25°C. Protect from direct sunlight. Protect from freezing.

TECHNICAL DATA

Tensile strength	min. 1,7 N/mm ²
Shore A hardness	approx. 25°
Adhesion to concrete surface	min. 1,8 N/mm ²
Potlife	approx. 30 minutes
Unit elongation	min. 100%
Possibility of using	min. after 24 h.
Full strength	after 7 days
Humidity of surface	< 4%
Applying temperature	+15°C - +25°C
Colours	grey, green, tile red
Approximate consumption (width x depth)	
5x5 mm	80,0 m/2250 ml
6x6 mm	56,0 m/2250 ml
8x8 mm	32,0 m/2250 ml
10x10 mm	20,0 m/ 2250 ml
12x12 mm	14,0 m/2250 ml