

TECHNICAL SHEET 11.02.02-EN



AKRINOL Elastic

Elastic adhesive for ceramics

1. Description, Application

AKRINOL Elastic is a multipurpose construction adhesive based on cement and polymeric binders. It is intended to be used in the interior and the exterior. It is suitable for fixing of ceramic tiles, clinker and glass and other mosaics onto all types of wall (fine lime, lime-cement, gypsum and cement render finishes, gypsum-cardboards, fibre-cement boards, porous concrete, water repellent chipboards and similar) and floor surfaces (concrete and cement screeds). It is used for fixing of floor ceramics in buildings with floor heating, for fixing of new ceramics onto old ceramic coatings and also for fixing of floor ceramics in pools.
classification according to EN 12004: C2TS1

2. Colour Shades

- grey

3. Technical data

Packaging		5 kg, 25 kg
Density		~ 1.54 kg/dm³
Water dilution mass		~25 %
Average consumption		~2 - 3 kg/m²
Processing times of the adhesive compound and other functional times (T = +20 °C, relative air humidity = 65 %)	Open time (ready-to-use adhesive compound)	~3-4 h
	Open time of the applied adhesive	~20-25 min
	The possibility of changing the position of the laid tile	~10 min
	Foot traffic of the laid floor tile covering	after 12 h
	The possibility of grouting (walls)	after 4-8 h

	The possibility of grouting (floor)	after 24 h
Tensile adhesion strength 20 minutes after application EN 12004-2		>0.8 N/mm ²
Slip of the laid tile EN 12004-2		<0.5 mm
Initial tensile adhesion strength EN 12004-2		>1.5 N/mm ²
Tensile adhesion strength after water immersion EN 12004-2		>1 N/mm ²
Tensile adhesion strength after heat ageing at +70 °C EN 12004-2		>1.9 N/mm ²
Tensile adhesion strength after freezing and thawing EN 12004-2		>1.2 N/mm ²
Temperature resistance		-40 to +70 °C

4. Installation Conditions

The temperature of the air and the wall surface should not be lower than +5 °C and not higher than +35 °C and relative air humidity should not exceed 80 %. Protect façade surfaces against the sun, wind and rainfall with curtains; however, do not conduct any work in rain, fog or strong wind (≥30 km/h) despite such protection.

5. Surface Preparation

Surfaces include solid, dry and clean fine lime, lime-cement or cement render finishes as well as dry and clean concrete surfaces and surfaces of cement screeds, fibre-cement and gypsum-cardboard boards, chipboards and old ceramic coatings without any badly-adhered particles, dust, remains of oils, grease and other filth.

Prior to fixing the coatings, dry the newly applied render finishes at least 7 to 10 days for each centimetre of their thickness (the data refer to normal conditions: T = +20 °C, rel. humidity = 65 %) and remove all paint coats, decorative slurries, oil coatings, varnishes and enamels from the old ones. Concrete surfaces and cement plasters/renders should be at least a month old.

Prior to the application of the adhesive, only moisten standard surfaces and cover or impregnate very absorbent or extremely unevenly absorbent surfaces with diluted ACRYL Emulsion (in ratio 1:1 with water). Prior to fixing, cover problematic surfaces such as surfaces of old ceramic coatings, smooth concrete, fibre-cement boards, gypsum cardboards and chipboards with AKRINOL Super grip.

For technical information on these primers, please read the technical data sheet.

6. Preparation of Adhesive

Prepare the adhesive by blending the content of a bag – of 25 or 5 kilos of dry compound - into ~6.25 or ~1.25 litres of water to obtain homogenous compound without any lumps. Wait for 10 minutes for it to swell up then stir again well, and, if necessary, add a little water. The prepared adhesive compound must be applied within approximately 3 to 4 hours.

7. Application of Adhesive

Apply the adhesive with a notched steel trowel or a notched steel masonry smoothing trowel. When fixing tiles of medium size – with sides between ~10 and ~20 cm – the width and dept of notches on the trowel or the smoothing trowel should be 4 to 6 mm, for fixing smaller tiles and mosaics use tools with finer notching and for tiles with sides larger than ~20 cm tools with rougher notching. When determining surface area onto which the adhesive is spread, please consider that the open time of the adhesive to be applied onto a wall or on the floor in normal conditions is only approximately 20-25 minutes. Lay the tiles close together or insert appropriately thick plastic distancing pieces into joints. Soak very absorbent tiles in water prior to fixing. Tile position can be changed maximum 10 minutes after installation.

Subsequently, fill joints between tiles with a tile joint filler in a selected colour shade and dilatation joints with a suitable permanently elastic mastic.

Thoroughly clean the tools with water immediately after use. Dried stains cannot be removed.

8. Storage, Transportation Conditions and Durability

During transportation, protect the product against moistening. Store in dry and airy places, out of the reach of children!

Shelf life when stored in an originally sealed and undamaged packaging: at least 24 months for 5 kg and at least 12 months for 20 kg packaging.

9. Other Information

Technical instructions are given based on our experiences and are given as a guideline for achieving optimal results. We cannot take any responsibility for the damage, caused by incorrect selection of a product, incorrect use or unprofessional work. JUB also bears no responsibility in cases where the substrate for the application of our products is prepared inadequately or with materials of inadequate quality from other manufacturers. In the case of applying our products to existing substrates of old coatings or pre-prepared substrates with materials from other manufacturers, it is obligatory to make appropriate test fields with all the intended applications of JUB products, in accordance with the technical instructions, before starting the work.

Safety measures: Follow the instructions on the safety data sheet of the product.

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

Denomination and date of publishing: TDS 088/25-čad, 05.11.2025

PRODUCT	CLASSIFICATION	TYPE OF TILES	MAX. SIZE OF TILES	JOINT WIDTH	INTERIOR - wall surfaces	INTERIOR - floor surfaces	INTERIOR - swimming pools	EXTERIOR - wall surfaces	EXTERIOR - floor surfaces	EXTERIOR - swimming pools	FLOOR HEATING	EXISTING CERAMICS - interior	PLASTER PANELS	OSB PANELS
<i>Grey adhesive</i>														
AKRINOL Basic	C1	ceramic tiles, clinker, glass and other mosaics	30 x 30 cm	* 3 do 5 mm										
AKRINOL Interier	C1 T	ceramic tiles, clinker, glass and other mosaics	60 x 60 cm	* 5 mm										
AKRINOL Classic	C1 T	ceramic tiles, clinker, glass and other mosaics and for gluing aerated concrete blocks	60 x 60 cm	* 5 mm										
AKRINOL Standard	C1 T E	ceramic tiles, clinker, glass and other mosaics	60 x 60 cm	* 5 mm										
AKRINOL Uniflex	C2 T E	ceramic tiles, clinker	60 x 100 cm (int.) 30 x 60 cm (ext.)	* 8 do 10 mm								+	+	
AKRINOL Proflex	C2 T E	glazed ceramics, absorbent and poorly absorbent ceramics, glass and other mosaics	60 x 100 cm (int.) 30 x 60 cm (ext.)	* 8 do 10 mm								+	+	
AKRINOL Uniflex Rapid	C2 F T E	ceramic tiles, clinker	60 x 80 cm (int.) 60 x 60 cm (ext.)	* 8 do 10 mm								+	+	
AKRINOL Flex	C2 T E S1	ceramic tiles, clinker, glass and other mosaics	80 x 120 cm (int.) 60 x 100 cm (ext.)	* 10 do 15 mm								+	+	+
AKRINOL Elastic	C2 T S1	ceramic tiles, clinker, glass and other mosaics	60 x 100 cm (int.) 60 x 100 cm (ext.)	* 10 do 15 mm								+	+	+
AKRINOL Stone fix	C2 T E S1	ceramic tiles, clinker, natural stone, marble		* 15 do 20 mm								+	+	
<i>White adhesive</i>														
AKRINOL Uniflex White	C2 T E	standard ceramics, heavier wall and floor ceramics, marble, stone	60 x 80 cm (int.) 60 x 60 cm (ext.)	* 8 do 10 mm								+	+	+
AKRINOL Proflex White	C2 T E	glazed ceramics, absorbent and poorly absorbent ceramics, glass and other mosaics	60 x 100 cm (int.) 30 x 60 cm (ext.)	* 8 do 10 mm								+	+	+

Legend:

	Appropriate
+	Compatible with Akrinol Super grip plus base coat
	Inadequate

Ceramic color: Interior: all colors: Exterior: bright colors
* the width of the joints depends on the type of substrate, the size and type of ceramic tiles and the area of use (interior, exterior, floor, walls,...)

