

TECHNICAL SHEET 11.02.07-EN



AKRINOL Uniflex white

White medium-coat improved tile adhesive

1. Description, Application

AKRINOL Uniflex white is a white interply adhesive based on cement, sand, and additives, for fixing in a coat of up to 10 mm of thickness on external and internal substrates. It is intended for installing standard ceramics, heavier wall and floor ceramics, marble, stone, white stone and transparent linings on problematic substrates such as floor heating, gypsum boards, fixing in swimming pools, on terraces and balconies. classification according to EN 12004: C2TE

2. Colour Shades

- white

3. Technical data

Packaging	25 kg	
Density	~ 1.2 kg/dm ³	
Water dilution mass	~20 %	
Average consumption	~2 - 3 kg/m ²	
Processing times of the adhesive compound and other functional times (T = +20 °C, relative air humidity = 65 %)	Open time (ready-to-use adhesive compound)	~1 h
	Open time of the applied adhesive	~20-25 min
	The possibility of changing the position of the laid tile	~15 min
	Foot traffic of the laid floor tile covering	after 24 h
	The possibility of grouting (walls)	after 24 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 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. Do not use the adhesive if there is a danger of freezing 48 hours after the use.

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 concrete plasters/renderers, fibre-cement and gypsum cardboards, chipboards and old ceramic linings. Remove any badly adhered particles, dust, remains of oils, fat and other filth.

Prior to fixing the coatings, dry the newly applied render finishes at least 7 to 10 days for each cm of 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/renderers should be at least a month old.

Prior to the application of the adhesive, moisten standard substrates, and cover or impregnate very absorbent or extremely unevenly absorbent surfaces with diluted ACRYL Emulsion.

Problematic substrates such as surfaces of old ceramic linings, smooth concrete, fibre-cement and gypsum cardboards and chipboards should be coated with AKRINOL Super grip. The adhesion of adhesive to smooth substrates is improved if we »damage« them at least partially by using appropriate tools. We recommend such intervention particularly in case of fixing newceramics to old ceramic linings.

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

6. Preparation of Adhesive

Slowly add 25 kg of AKRINOL Uniflex White into 5 litres of clean water and stir until we obtain the adhesive without any lumps and of adequate density. Wait for 10 minutes and then stir again well.

7. Application of Adhesive

Apply a thin coat of adhesive onto a prepared substrate by using an even smoothing trowel. Then apply the second layer of adhesive onto a still fresh coat by using a stainless notched smoothing trowel. The contact surface between the substrate and lining should be min 90 %. When applying thicker and heavier linings as well as large dimension linings, we recommend the use of the so-called buttering method (application of adhesive on both sides – onto the substrate and lining).

When applying linings on external substrates, on problematic substrates and in swimming pools, the buttering method should be used regardless of the lining size. A notched smoothing trowel with appropriate size of notches is selected depending on the dimension and weight of lining, levelness of its fixing surface and levelness of the substrate. If we would like to achieve a thicker layer of adhesive, use a notched smoothing trowel with notch size of at least 10 mm. The larger and heavier the lining, the thicker must be a layer of adhesive underneath it. The minimum thickness of a layer under the lining is at least 3 mm. Prepare only as much adhesive as it can be used in 1 hour. At higher temperatures of the air, the open time or usage time is shortened and at lower temperatures it is extended. Since working conditions are not always the same, the occurrence of thin membrane on the surface of applied adhesive must be checked by finger. Linings should not be applied onto the adhesive with the thin membrane on it. The adhesive should be applied to as much substrate as tiles can be applied in each time. Larger dimension linings should be applied one at a time. The use of lower water absorbing ceramic linings extends the

drying time. Also, the drying time is longer in case of applying linings into a thicker coat of adhesive. The adhesive should be removed from joints before it hardens.

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

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 12 months.

9. Other Information

Technical instructions contained in this brochure are provided on the basis of JUB's experience and are given as a guideline to achieve the optimum results. JUB cannot accept any responsibility for damage caused by incorrect selection of a product, incorrect use or unprofessional 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.

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