

## TECHNICAL SHEET 11.01.05-EN



# AKRINOL Fugamix

## Highly flexible dispersion tile joint filler

### 1. Description, Application

AKRINOL Fugamix is a powder compound based on cement and used for grouting interior and exterior wall and floor tile surfaces (ceramic tiles and clinkers of all types, glass and other mosaics) of housing, business facilities and facilities open to public. It is suitable for filling joints up to 6 mm wide and deep, including floor tile linings of rooms with floor heating. It is distinguished by high resistance to wear, good elasticity and good water repellence with distinctive “drop effect” and long-lasting resistance against infection with wall mould. AKRINOL Fugamix joint filler is not suitable for grouting tile linings, which are not resistant to acid and alkaline (tile linings of industrial buildings, small-trade plants, laboratories, and similar), neither does it comply with requirements for joint fillers, filling any kinds of dilatation joints, tile linings of swimming pools and filling of joints between stove tiles and other elements of ceramic stoves.

### 2. Colour Shades

- White
- Selected shades according to JUB's color chart

### 3. Technical data

Packaging		3 kg
Density		~1.85 kg/dm <sup>3</sup>
Water dilution mass		~0.4 %
Average consumption		~0.5 - 1.5 kg/m <sup>2</sup>
Temperature persistence of the applied joint filler		-40 to +80 °C
Attained strength characteristics of the applied joint filler	Guaranteed foot traffic	12-24 hours after grouting
	Permitted maximum load	7 days after grouting

Compressive strength after freezing EN 12808-3 (requirement according to SIST EN 13888 - value: >15.0 MPa)	>15 MPa
Flexural strength after freezing EN 12808-3 (requirement according to SIST EN 13888 - value: >3,5 MPa)	>3,5 MPa
Contraction EN 12808-4 (requirement according to SIST EN 13888 - value: <2,0 mm/m)	<2 mm/m
Water absorption after 4 hours of soaking EN 12808-5 (requirement according to SIST EN 13888 - value: <5 g)	<1 g
Transverse deformation SIST EN 12002 (requirement according to SIST EN 13888 - value: >5,0 mm)	>5 mm

#### 4. Installation Conditions

The temperature of the air and of the tile lining should not be lower than +5 °C and not higher than +25 °C; protect outer surfaces against sun, wind and rainfall, but do not conduct any work despite such protection in rain, fog or in case of strong wind (>30 km/h). If the temperature of the air or the surface exceeds +20 °C, moisten the joints with water prior to applying the filler.

#### 5. Surface Preparation

Times in which tile linings reach the state of being suitable for grouting, depend on the type of the applied adhesive mortar, its drying conditions (air and surface temperature, relative air humidity, humidity and absorption of surface, size and absorption of slabs or tiles, and similar) and other factors. Guide values for “normal conditions” (T = +20 °C, relative air humidity = 65 %) are listed below:

##### WALL TILE LININGS

standard adhesives ~ 8 hours after fixing  
 fast setting adhesives ~ 2 hours after fixing  
 traditional cement mortars ~ 2 to 3 days after fixing

##### FLOOR LINE LININGS

standard adhesives ~ 24 hours after fixing  
 fast setting adhesives ~ 4 hours after fixing  
 traditional cement mortars ~ 7 days after fixing

A tile lining – including joints – should be cleaned well by removing remains and clots of adhesive, dust and other filth from it. If joints get wet during the process, start grouting only after they are completely dry.

#### 6. Joint Filler Preparation

Just mix the mass well before use. If necessary, add only a little water (up to max. 10ml per bucket)

#### 7. Joint Filler Application

Due to the possibility of tinting AKRINOL Fugamix in very vivid shades, before applying the mass to the already installed ceramic, it is necessary to test its cleaning from a sample (snip) of a non-installed ceramic tile of the same type.

The joint filler is applied by a rubber trowel or a smoothing rubber trowel. Fill the joints in the diagonal direction (in an angle of approximately 45° to the direction of the joints). After 2-3 grouted square meters of lining or BEFORE BEGINNING TO FORM THE SURFACE CRUST, the grout is shaped with a THOROUGHLY SQUEEZED SPONGE! Clean the traces on the lining after 2 to 4 hours (depending on the thickness of the joint).

##### WARNINGS!

The coherence of the colour shade of the applied joint filler with the sampler or with the colour chart and the equality of the colour shade depend strongly on drying conditions and on the consolidation of the compound, as well as on the technique and hygiene of cleaning of the grouted surface (the following is inadmissible: excessive moistening of grouted tile linings with water, cleaning with dirty water and leaving water on cleaned

surfaces!). Surfaces of rough or highly absorbing tiles are more difficult to clean, therefore, in general and especially in such cases, test the cleaning procedure on a test tile prior to application of the joint filler. When removing the "film" applied to the tile surface, diluted acetic acid or special cleaning agents may be used to remove cement stains. AKRINOL Fugamix contains quartz sand, which may in exceptional cases damage the tile surface during grouting; therefore, use a tile to test its resistance against scratching prior to application.

Approximate or average consumption:

AKRINOL Fugamix 0.5 – 1.5 kg/m<sup>2</sup>, depending on the width and depth of joints and the size of tiles

Apply the following calculation to obtain the estimation on consumption:

$$P = [(A + B) \times C \times D \times 15] / (A \times B)$$

P – approximate consumption of a joint filler (kg/m<sup>2</sup>); A – length of the tile (cm); B – width of the tile (cm); C – thickness of the tile (cm); D – width of joint fillers (cm)

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

## 8. Storage, Transportation Conditions and Durability

Storage and transportation at temperature +5°C to +25°C, protected from the direct sunlight, **MUST NOT FREEZE!**

Durability when stored in originally sealed and undamaged packaging: at least 12 months.

## 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.

Colour of joint filler is the closest possible approximation to the colour chart, the sampler or the validated sample and may differ slightly from the desired colour shade.

If you wish to check the colour shade, dry the application of a joint filler on a test surface correctly and check a standard of the concerned shade, which is stored in the TRC JUB d.o.o.. Difference in colour shade, which is a result of inadequate preparation of the joint filler, of unsuitable conditions during application and consolidation of the joint filler, of an application technique, which differs from the one in instructions or application of the compound onto an unsuitably prepared, on wet or not dried enough surface, cannot be subject of complaint.

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

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