



## **AKFIX DF 25 2K POLYURETHANE DILATATION FILLER**

### **1 – DESCRIPTION**

**AKFIX DF 25**, self-leveling polyurethane sealant ideal for horizontal applications. Its elasticity allows it to absorb continual movements of the structure caused by thermal changes without problems of cracking.

### **2 – PROPERTIES**

- Two component
- Easy to mix
- Fast cure
- Self-leveling consistency, easy to apply in horizontal joints
- Possesses permanent elasticity
- High adhesion strength
- Capable of  $\pm 25\%$  joint movement
- Paintable

### **3 - APPLICATIONS**

- Used for sealing of horizontal joints
- Interior and exterior
- Expansion joints between many different construction materials
- Industrial floors
- Driveways/Garages
- Sidewalks

Meets the requirements of **ISO 11600 F 25 LM**

### **4- INSTRUCTIONS**

- Before application, be sure that joint surfaces are clean, dry and free of all contamination.
- Apply sealant evenly, If necessary, use masking tape and remove the tape while the sealant is still soft.
- Pour entire contents of Component B into pail of Component A.
- Mix for 5-10 minutes to achieve a uniform color and consistency with a low speed drill (400-600 rpm).
- Avoid entrapment of air during mixing.
- Apply sealant in 15 minutes.
- Joint dimension should allow for 6 mm minimum and 12 mm maximum thickness for sealant.
- Proper design is 2:1 width to depth ratio.
- If necessary, use back up material to adjust joint depth.



**Yield (approx.)**

**Linear Meter of Sealant per Kilogram**

mm		Width				
		6	12	18	25	32
Depth	6	1350	675	450	324	253
	12	2700	1350	900	648	506

**5- PACKAGING**

Product	Weight
Component A	6 kg
Component A	10 kg
Component B	3 kg
Component B	5 kg

**6- STORAGE AND SHELF LIFE**

9 months if stored in its original package, away from direct sunlight and moisture, between +10 °C and +25 °C .

**7- RESTRICTIONS**

- Avoid application below +5 °C and above +35 °C.
- Do not apply on frozen or wet surfaces or through standing water.
- Do not cure in the presence of curing silicones.
- Minimum depth is working joint is 6 mm.
- Maximum expansion and contraction should not exceed 25% of average joint width.
- Avoid exposure to high levels of chlorine.

**8- TECHNICAL PROPERTIES**

**BEFORE MIXING**

**Component A (Base)**

<b>Consistency</b>	: Paste
<b>Density</b>	: 1.55±0.02 g/ml
<b>Color</b>	: White

**Component B (Curing Agent)**

<b>Consistency</b>	: Liquid
<b>Density</b>	: 1.00±0.01 g/ml
<b>Color</b>	: Black



# TECHNICAL DATA SHEET

# Akfix® coating

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## AFTER MIXING-CURING

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<b>Mixing Ratio</b>	: 2:1 A:B (by weight)	
<b>Basis</b>	: Polyurethane	
<b>Colour</b>	: Grey	
<b>Consistency</b>	: Self-leveling	
<b>Density</b>	: 1.35±0.02	
<b>Tack free time</b>	:60 min. (23°C %50 R.H)	
<b>Curing Rate</b>	:min. 3 mm/day (23°C %50 R.H)	
<b>Elongation at Break</b>	:≥250%	(ASTM D412)
<b>Tensile Strength</b>	: 0,75-1,0 N/mm <sup>2</sup>	(ASTM D412)
<b>Shore A - Hardness</b>	: 25±5	After 28 days (ASTM C661)
<b>Paintable</b>	: Yes*	
<b>Application Temperature</b>	: +5°C to +35°C	

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\*Considering the diversity of paint base and quality, compatibility tests should be done before application