

Technical Datasheet

IZOZEN FLEX PRO AK-9

Cement-based tile adhesive

Description

IZOZEN FLEX PRO AK-9 is a cement-based tile adhesive. It provides high initial and final adhesive strength and moisture resistance. Certified according to EN 12004 and classified as type C1 adhesive. CE marked.

Fields of application

IZOZEN FLEX PRO AK-9 is suitable for fixing wall and floor tiles to a variety of substrates including concrete, brickwork, plaster, etc. For interior and exterior applications. Suitable for hot and tropical climate conditions.

Technical data

Form:	cementitious mortar
Colors:	Grey
Water demand:	4.80-5.50 l/20 kg bag
Application temperature:	from +5°C to +35°C
Application thickness:	up to 10 mm
Pot life:	at least 60 min
Open time:	at least 20 min
Minor adjustments open time:	at least 30 min
Wall grouting:	after 3-8 h
Floor grouting:	after 24 h
Adhesion strength after:	
• 28 days:	$\geq 1.00 \text{ N/mm}^2$
• heating in +70°C:	$\geq 0.50 \text{ N/mm}^2$
• immersion in water:	$\geq 0.50 \text{ N/mm}^2$
• 25 freeze-thaw cycles:	$\geq 0.50 \text{ N/mm}^2$
Service temperature:	from -15°C to +60°C
All measurements were conducted according to EN 12004.	

Directions for use

1. Substrate

The surface to be overlaid must be clean, free of dust, grease, paint, loose material, etc. It is recommended that the substrate be dampened prior to application.

2. Application

IZOZEN FLEX PRO AK-9 is gradually added to water under continuous stirring, until a uniform paste is formed. A low-speed mixer is recommended for mixing.

The mixture should be left for approx. 5 minutes to stand and should be stirred slightly again. The tile adhesive should be spread and "combed" on the substrate using a notched trowel, in order to be uniformly applied over the entire surface. The tiles should be firmly pressed to the desired position.

The applied mixture must be covered with tiles within 20 minutes to avoid "skin" formation, i.e. before the adhesive film starts setting.

Elastification

In cases where additional adhesion or flexibility is required, such as unstable substrates subject to vibration or expansion/contraction effects (e.g. gypsum boards, chipboards, heated floors, terraces, balconies, etc.), it is necessary to add up to 1.00-2.50 Litters of IZOZEN FLEX PRO LATEX to 20 kg of IZOZEN FLEX PRO AK-9, plus the amount of water needed to obtain the desired workability, so that the tile adhesive becomes more flexible.

Consumption

1.5-4.0 kg/m², depending on trowel notch size and substrate type.

Packaging

IZOZEN FLEX PRO AK-9 is supplied in 20 kg paper bags.



IZOZEN FLEX PRO AK-9

Shelf life – Storage

06 months from production date if stored in original, unopened packaging, in places protected from moisture and frost.

Remarks

- Due to cement content, IZOZEN FLEX PRO AK-9 reacts with moisture forming alkaline solutions, thus it is classified as irritant.
- Very porous surfaces such as aerated concrete, gypsum boards, chipboards, etc. must be primed first with IZOZEN FLEX PRO LATEX.
- Please consult the directions for safe use and precautions written on the packaging before use.

IZOZEN® Health and Safety Message

- Always wear safety goggles, Mask, Helmet when working with hazardous materials.
- Follow safety procedures at all times when using power tools.
- Make sure your work area is tidy and free of trip hazards.
- Watch where you're walking – don't run in the workplace!
- Always use the appropriate lifting technique when moving heavy objects.
- Keep jewelry and other loose objects away from machinery.
- Don't eat or drink near hazardous materials.
- Report unsafe conditions immediately to your supervisor.
- Wear the correct clothing for the job – no loose clothing or jewelry!
- Take regular breaks and stay hydrated while working.
- Always be aware of your surroundings.
- Always use personal protective equipment when working with chemicals.

IZOZEN CHEMICALS (PRIVATE) LIMITED

Office No. 17, Sun Rise Arcade, Near DHA Phase II, Gate II, Main G.T Road, Islamabad, Pakistan 44000
Phone No. 0092 (51) 441 9497
Email: information@izozen.com
Web: www.izozen.com

MANUFACTURING UNIT

Plot No. 38, Street NS-1, Rawat Industrial Estate, Islamabad, Pakistan, 45900
Email: information@izozen.com
Web: www.izozen.com



FLEX/PRO