

Technical Datasheet

IZOZEN® FLEXPRO TILE GROUT 2-5

Colored Tile Grout

Description

IZOZEN® FLEXPRO TILE GROUT 2-5 is a cement-based, colored tile grout offering high mechanical strength and excellent color stability. Suitable for joint width 2-5 mm. Classified as type CG2 WA tile grout according to EN 13888.

- Non-shrink and prevent cracks
- Non-Sag / slump (thixotropic) application
- Consistent colour quality
- Easy to use and apply, just add water

Suitable for use in hot and tropical climatic conditions.

Fields of application

IZOZEN® FLEXPRO TILE GROUT 2-5 is used for grouting tile joints on walls or floors, for indoor and outdoor applications.

Technical data

Form:	Cementitious Powder
Colors:	See Color Chart
Water demand	24-26%
Bulk density of dry mortar:	1.40 ± 0.40 kg/l
Bulk density of fresh mortar:	1.90 ± 0.50 kg/l
Application temperature:	from +5°C to +35°C
Abrasion resistance: (EN 12808-2)	≤ 1,000 mm3

Compressive strength after:

- 28 days: 40.00 N/mm2
- 25 freeze-thaw cycles: (EN 12808-3) 40.00 N/mm2

Flexural strength after:

- 28 days: 6.00 N/mm2
 - 25 freeze-thaw cycles: (EN 12808-3) 5.00 N/mm2
- Drying shrinkage: (EN 12808-4) ≤ 2 mm/m

Directions for use

1. Substrate

The substrate covered with tiles should be perfectly clean. The joints should be carefully cleaned and dampened with a wet sponge.

2. Application

IZOZEN® FLEXPRO TILE GROUT 2-5 is added to water under continuous stirring, until a homogeneous paste is formed. A low-speed mixer is recommended for the mixing. The mixture should be left to stand for about 3 min and then slightly stirred again. Spread the grout diagonally across the joints using a rubber float, making sure to fill them completely. The excess material should be wiped after a while, using a wet sponge, to avoid any change in color. Finally, the surface may be cleaned with a dry cloth. For use outdoors or at high temperatures, repeated dampening is recommended after a few hours and when the grout has dried.

Note: For better adhesion and water tightness use IZOZEN® FLEXPRO LATEX with water (1:1)

Consumption

The consumption of IZOZEN® FLEXPRO TILE GROUT 2-5 depends on tile dimensions and joint width. The following cases are mentioned indicatively (values in g/m2):

Tile dimensions (cm)	Joint width		
	2-3mm	4mm	5mm
2 x 2 x 0.3	1.3-1.5	-----	-----
10 x 10 x 0.6	400-600	800	1
15 x 15 x 0.7	310-470	630	780
20 x 20 x 0.7	240-360	480	590
20 x 30 x 0.7	200-300	400	490
30 x 30 x 0.8	190-280	370	460

Water absorption after

• 30 min:	≤ 2 g
• 240 min:	≤ 5 g
Pot life:	at least 4 h at +20°C
Walkability:	after 10 h at +20°C
Ready for Use	Foot Traffic After 24 hours

Shelf life – Storage

- Paper bags of 20 kg: 06 months from production date
- Plastic Pouch of 1 kg: 12 months from production date

All of the above are in effect if the product is stored in original, unopened packaging, protected from moisture and frost.

Remarks

- IZOZEN® FLEXPOR TILE GROUT 2-5 contains cement and reacts as alkaline with moisture, so it is classified as irritant.

- Consult the directions for safe use and precautions written on the packaging before use.

Packaging

IZOZEN® FLEXPOR TILE GROUT 2-5 is supplied in plastic pouch of 1 Kg, 20 Kg Paper Bag

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.

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The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Research and Development Department of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical datasheet automatically cancels any previous one concerning the same product. | Edition: 2024