

CAT. NO. ADH-08-2304

ISOJOINT

Polymer-Enhanced Tile Grout

ISOJOINT is a specially formulated blend of cement, fillers, colored pigments and polymer additives and only requires the addition of water at the site to produce a smooth, water resistant, non-dusting grout for tile joints.

ISOJOINT is available in a wide range of colors and is suitable for joints up to 10mm width, exterior and interior applications. **ISOJOINT** is un-sanded and can be mixed with **ISOFIX** acrylic latex to conform with ANSI A118.7.

USES

ISOJOINT is used to fill joints in ceramic and mosaic tiles and marbles. It is suitable for use in bathrooms, kitchens, and similar applications. It can also be used for residential/ commercial wall and floor tiles.

SPECIFICATIONS

ISOJOINT conforms with the requirement of BS EN 13888-1: 2022, Type CG, Class 2WA.

TYPICAL PROPERTIES

- Compressive strength, BS EN 13888-2: 2022.....> 30
- Flexural strength, BS EN 13888-2: 2022.....>4
- Water absorption, BS EN 13888-2: 2022.....< 5 grams @ 30 minutes
< 10 grams @ 240 minutes
- Abrasion resistance, BS EN 13888-2: 2022.....< 2,000 cu.mm
- Linear shrinkage, BS EN 13888-2: 2022.....< 3mm/ meter

DIRECTION FOR USE

1. After fixing the tiles, allow adhesive to cure for at least 24 hours prior to grouting.
2. Ensure that the joints are clean and free from dust. It is recommended to blow-off any loose dust or dirt that may have accumulated in the joint using a portable air blower.
3. At least fifteen minutes before grouting, wet the joints thoroughly with clean water. This will prevent the grout from drying rapidly especially during hot, windy climate. Dampen the surface of the tiles as well with cotton cloth soaked in water.
4. Put the required amount of water in a clean plastic container, add **ISOJOINT** into the water and mix to a thick, heavy paste, by using a revolving paddle type mixer or an electrical drill fitted with paddle running at low speed (200-300 rpm). After the initial mixing, allow grout to stand for at least 10 minutes, then re-mix again. It is always advisable to mix only sufficient quantity of grout that can be applied 2 square meter at a time. Under no circumstances should stale or dry grout re-tempered with water to resuscitate workability.
5. Pack the joints full with grout using a hard rubber grouting float in a diagonal direction. Excess grout should be cleaned off from the tile surface with damp sponge as the work progress and immediately after the grout has set slightly.
6. Finally, after the grout has firmed up, tool the grout. (Important: Tooling is highly recommended to ensure a dense, smooth finish).
7. Remove any hardened grout from the tile surface using a damp cheese cloth. Allow grout to harden completely in the joint.
8. Following installation, wash the grout lightly with a water-soaked sponge at least once a day for a minimum of three days.
9. When grouting floor tiles, foot traffic should also be avoided for 2-3 days after installation. Provide temporary boards to serve as foot paths.
10. For added water resistance and to lock-in the color of colored grouts, it is suggested to mix **ISOJOINT** with **ISOFIX** diluted with clean water (1:1 by volume). One (1) part of diluted **ISOFIX** is then mixed with three (3) parts of **ISOJOINT**.

NOTES

ISOJOINT is available in standard white and colored formulations. However, due to its cementitious base, color shade difference can be expected. In general, grout should be fully packed inside the joint.

Factors that could also affect color uniformity includes inadequate mixing, variations in water-grout mixing ratio, and excessive tooling.

Certain types of tiles may stain when in contact with colored grouts. Trial is best carried out.

Do not allow grout to dry on porous/ textured surface. Difficult to clean grout haze can be removed with water-soap solution and buffing with nylon pad. If haze still remains, use **TILE KLEEN**.

MIXING WATER

- Recommended amount of mixing water are as follows:

5 kg pack.....	Up to 1.1 Kg water
10 kg pack.....	Up to 2.7 Kg water
25 kg pack.....	Up to 6.75 Kg water

- When using volumetric measure, the mixing ratio is approximately 3.5 parts powder against 1 part water.

(Note: Mixing water are only indicated for guidance and may vary depending on site temperature conditions. However, the grout should always have a thick paste consistency).

APPLICATION RATE

<u>TILE SIZE</u>	<u>JOINT</u>		<u>THEORETICAL APPLICATION RATE</u>
	<u>WIDTH</u>	<u>DEPTH</u>	
25 x 25mm	3mm	4mm	1.350 kg/ sq.m
100 x 100mm	3mm	5mm	0.470 kg/ sq.m
150 x 150mm	3mm	8mm	0.510 kg/ sq.m
150 x 150mm	5mm	6mm	0.625 kg/ sq.m
150 x 300mm	5mm	6mm	0.480kg/ sq.m
300 x 300mm	5mm	8mm	0.410 kg/ sq.m
300 x 600mm	5mm	8mm	0.310 kg/ sq.m

PACK SIZE/ SHELF LIFE

ISOJOINT is packed in 5 kg, 10 kg and 25 kg bags and has a shelf life of Twelve months when stored in dry warehouse condition.

HEALTH / SAFETY

ISOJOINT may cause skin irritation due to its cementitious base. Avoid inhaling dust by using dust mask. For additional information, refer to MSDS.

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

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