

ISOFIX 1051

Product Data Sheet

Description:

Isofix is a blend of cement, graded aggregates and powder polymers with additives to produce a high quality adhesive for fixing ceramic floor and wall tiles in exterior or interior applications.

Uses:

Fixing ceramic tiles in kitchen, bathrooms, floors, walls, exterior cladding and terraces. Fixing terrace, quartz tiles on all types of surfaces.

Advantages:

- Highly workable, can be easily applied.
- Excellent bonding even in damp condition.
- Excellent resistance to water and humidity.
- Economical to use.
- Extended pot life.
- Factory blended, needs only the addition of clean water.

Standards:

Standards:
Bs 5980 type 1 class AA
Bs 5385 appendix A part 1 ANSI 118.4, 118.1
ANSI 136.1

Technical Properties:

Base :	Cement additives and polymers.
Color :	Grey or white
Density :	1.85 g/cc (approx)
Pot life :	30 minutes.
Pull of strength :	0.5 N/mm ²



Coverage:

Dependent on the substrate roughness, surface profile and thickness of the layer applied.

As a guide, ~ 1.7 kg/m²/mm (excluding allowances for loss wastage, surface profile and porosity,etc.).

1 unit of 30 kg yields~ 17.6 l of mortar.

Application procedure:

Surface preparation

The surface should be clean, sound and free of dirt, dust, grease and oil. All crevices, holes in the substrate should be filled up and leveled. For best results damp down the surface slightly but not tiles. During application substrate must be free from rising dampness and other hydrostatic pressure

Mixing

Mix isofix with water at the ratio 6 to 7 liters of water per 25 kgs of powder until a uniform lump free consistency is obtained. Leave the mass for 5 to 10 minutes to complete the chemical reaction. Mixing should be by a forced action mixer. Hand mixing is recommended only for small quantity.

-Application

Apply isofix to a uniform thickness ss of 3mm to 6mm on the substrate. Do not spread more than 1 m² at a time. For horizontal application and heavy duty vertical application, a solid fixing bed is recommended. For other vertical application use a toothed spatula to comb horizontally to remove excess quantity of adhesive. The trowel should have 6mm notches at 25mm intervals center to center. Place the tile on the adhesive bed, press it and set carefully, so that the mortar is spread evenly. The tile joints may be filled with isogROUT TL a minimum of 24 hours after the fixing of tiles.

Cleaning:

After application remove the excess material using a wet cloth and clean all tools and equipments with water immediately

Packing:

Grey - 25kg & 40kg bags .
White - 20kg .

Storage:

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Shelf life:

Shelf life is up to 12 months when stored as per recommendations.

Health and Safety:

As with all construction chemical product, caution should be always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally allowed, do not induce vomiting, but call for medical assistance immediately.

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