

# ISOFIX 1051<sup>C1T</sup>

## Product Data Sheet

### Description:

ISOFIX 1051 Cementitious ceramic tile adhesive with reduced slip and extended open time features, ready to use for tiling interior application, High-quality adhesive mortar combining cement with selected grades of silica sand, polymer powder, and other admixtures.

### Uses:

Fixing ceramic tiles in kitchen, bathrooms, floors, walls, quartz tiles on all types of surfaces.

### Advantages:

- Highly workable, easy to apply
- Excellent adhesion even in damp places.
- Excellent waterproofing features.
- Economic usage.
- Extended open time.
- Premixed, Ready to use

### 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.
Tensile Adhesion Strength:	initial $\geq 0.5$ N/mm <sup>2</sup>
	after heat exposure $\geq 0.5$ N/mm <sup>2</sup>
	after immersion in water $\geq 0.5$ N/mm <sup>2</sup>
	after freeze/thaw cycles $\geq 0.5$ N/mm <sup>2</sup>



### Coverage:

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

As a guide, ~ 1.7 kg/m<sup>2</sup>/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 1051 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 quantities.



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## -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 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:

25kg & 20kg bags .

## 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.

*Prior to each use of any product of ISOBIT, its subsidiaries or affiliates ("ISOBIT"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Datasheet which are available at [www.isobitiraq.com](http://www.isobitiraq.com) or by calling ISOBIT's Technical Service Department at +9647501136936. Nothing contained in any ISOBIT literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each ISOBIT product as set forth in the current product label, Product Data Sheet prior to use of the ISOBIT product. ISOBIT warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL***

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