

# BUILDMAX 1054 C2TES1

## Product Data Sheet

### Description:

BUILDMAX 1054 is premixed adhesive tiles specially formulated with waterproofing and reduced slip features suitable to apply for thin or thick bed ceramic tiles and stones for interior or exterior Walls and Floors.

BUILDMAX 1054 is ideal to use in permanent wet areas and extreme weathering conditions.

### Uses:

Laying ceramic tiles and stones in :

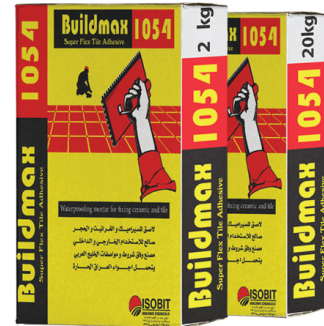
- Swimming pools\water tanks\fountains.
- Bathrooms.
- Shower rooms.
- Industrial kitchens.
- For tile on tile application.
- Decorative external claddings.
- Areas exposure to vibrations & movements.

### Advantages:

- High performance adhesive and bond strength.
- Waterproof, suitable for wet areas conditions.
- Anti-slip.
- Can be used for thin or thick bed application.
- Extended pot life.

### Technical Properties:

Color :	Grey or White powder
Application Temperature Range:	(+5°C) - (+35°C)
Mixing Ratio:	6-7.5 liters water / 25 kg powder, 26%-28%
Slip:	≤ 0.5 mm
Open Time :	After 30 minutes ≥ 0.5 N/mm <sup>2</sup>
Grouting :	8 hours on wall; 24 hours after on floor
Consumption:	4-5 kg/m <sup>2</sup>
Tensile Adhesion Strength:	initial ≥ 1 N/mm <sup>2</sup>
	after heat exposure ≥ 1 N/mm <sup>2</sup>
	after immersion in water ≥ 1 N/mm <sup>2</sup>
	after freeze/thaw cycles ≥ 1 N/mm <sup>2</sup>
Deformability:	≥ 2.5 mm-S1 Deformable
Service Temperature Range (after final cure):	(-40°C)-(+80°C)



### Coverage:

Solid fixing bed :	3 to 5mm thick 3.3 to 5.5 kg/m <sup>2</sup> .
Notched trowel :	2 kg/m <sup>2</sup> (on smooth surface).
Yield :	25 kg of iso super flex when mixed with 6.25 Lt of water yields 16.4 Lt of mixed adhesive

### Application procedure:

#### -Surface preparation

The surface of substrates should be sound, free from laitance, paint, oil, grease, shuttering oil, backwards curing compound and any other loose particles. Ensure that tiles are dry and free from any contaminates.

#### -Mixing

Mix 6,25 Liters of clean water with 25 kg of BUILDMAX 1054 in a pot, Adding BUILDMAX 1054 should be gradual with mixing for 3 to 4 minutes by electrical mixer at low speed until a smooth, lump-free the paste is achieved. Hand mixing is recommended only for small quantity but ensures that powder/water ratio is maintained.

-To obtain a good adhesion first apply a thin coat of BUILDMAX 1054 with the trowel flat side, then notch with the toothed side of the trowel.

-Tiles installed with BUILDMAX 1054 must not be subject to water for at least 24 hours.

-Dispose of mortars of which pot life is expired (after 30 minutes) . Clean tools and hands with water, surfaces with a damp cloth.

### -Application

Apply BUILDMAX 1054 to a uniform thickness of 3mm to 5mm on the substrate.

During application should not spread a layer of BUILDMAX 1054 more than 1 square meter at a time. Solid bed fixing is recommended for wet conditions and heavy-duty vertical applications including decorative stone cladding. If required the BUILDMAX 1054 can additionally be buttered on the backs of the tiles to ensure full adhesive contact. For all other vertical application, the adhesive bed should be combed horizontally with a full notched trowel to remove excess adhesive.

Place it into position with a slight twisting motion, ensuring the tile back achieves full contact with the adhesive. Grouting of joints can be started after 24 hours with ISO GROUT.

### Cleaning:

Clean all the tools with water immediately after use. Hardened materials can be removed mechanically only.

### Packing:

Grey - 25kg  
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.

### Standards:

BS 5980 type 1 class AA  
BS 5385 part 1  
ANSI A 118.1

### Health and Safety:

As with all construction chemical product, caution should be always 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***