

# ISO SUPER FLEX 1054 C2TES1

## Product Data Sheet

### Description:

ISO SUPER FLEX 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.

ISO SUPER FLEX 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 ISO SUPER FLEX 1054 in a pot, Adding ISO SUPER FLEX 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 ISO SUPER FLEX with the trowel flat side, then

notch with the toothed side of the trowel.

-Tiles installed with ISO SUPER FLEX 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 ISO SUPER FLEX to a uniform thickness of 3mm to 5mm on the substrate. During application should not spread a layer of ISO SUPER FLEX 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 ISO SUPER FLEX 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.

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