



## DESCRIPTION

ECOBOND is a water-resistant cement based, polymer modified high performance cementitious adhesive with no vertical slip. It is suitable for interior and exterior use, floors, walls and ideal for tiling showers, wet areas and swimming pools.

ECOBOND bonds most types of Natural stone, ceramic, vitrified tiles & mosaics. It can be used for thin and thick bed applications.



## FEATURES & BENEFITS

- Complies with ANSI A118.4
- Suitable for floors and walls
- Can be applied up to 18mm for floor application
- Water resistant, ideal for showers and swimming pools
- Exterior or interior use
- Excellent adhesion to porcelain\*, glazed and unglazed ceramic tiles, natural stone, mosaics etc.
- High initial grab

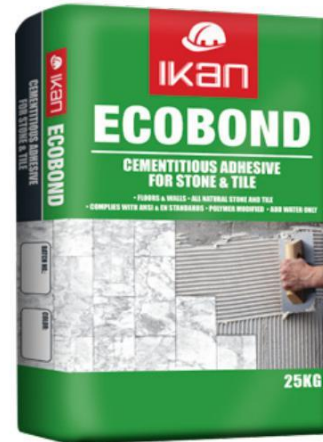
\*back butter



## TECHNICAL DATA

### WORKING PROPERTIES (at 23°C)

Open Time	20 minutes
Pot Life	2 hours
Time to heavy traffic	24 hours
Water mixing ratio	5.5L per 25kg bag
Yield	Approx. 17L of mixed adhesive



## METHOD OF APPLICATION

### SURFACE PREPARATION

Surfaces must be sound, clean, dry and free from oil, grease, dust and other loose material, and should not be subject to movement. New concrete slabs shall be damp cured and 28 days old before application.

### MIXING

ECOBOND should be added slowly to clean water with normal temperature approx. 5.5 - 6 liter per 25 kg bag, stirring continuously to achieve a creamy lump free consistency. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. The adhesive should be used within its pot life of 2 hours(23°C). No water should be added after the original mixing. Any of the mixture not used within its pot life should be disposed.

## PERFORMANCE PROPERTIES

TEST	TEST METHOD	SPECIFICATION	RESULT
Determination of open time at 5 minutes by tensile adhesion strength	ANSI A118.4	≥ 1.0 MPa	Complies with standard values
Determination of open time at 20 minutes by tensile adhesion strength	ANSI A118.4	≥ 0.5 MPa	
Determination of slip or sag on vertical	ANSI A118.4	≤ 0.5 mm	
Shear strength (porcelain mosaic tile, 28 days)	ANSI A118.4	> 200 psi	

*Note: the above technical information is based on controlled laboratory conditions. However, there may be some variation in yield and coverage depending on the ambient weather and site conditions.*

## APPLICATION

Apply mixed adhesive (ECOBOND) to the substrate with the flat side of the trowel, pressing firmly to work into surface. Spread only as much adhesive as can be tiled before the product skins over. Open time may vary depending on jobsite conditions. Back butter large tiles to provide full bedding and firm support. Place tiles into the adhesive and beat in using a beating block and rubber mallet to adjust level.

Before the adhesive sets, clean excessive adhesive from between joints using a damp cloth. Tools and equipment should be cleaned with water before the adhesive sets on them.

Tiles should be left undisturbed for around 24 hours at 20°C, or longer if the temperature is lower.

Apply grout after the adhesive has set.

Coverage: Approx. 6.5m<sup>2</sup> per 25kg bag when using 6mmx6mm notched trowel held at an angle of 45°



## PACKAGING / COLORS AVAILABLE

25 kg bag / White and grey



## HEALTH & SAFETY

This product contains cement and contact with skin may cause irritation. It should not be inhaled, and a properly designed and maintained face mask should be used whilst handling, pouring and mixing the powder. Avoid contact with the product by working carefully, using a barrier cream and wearing protective gloves. If any contact does occur, wash thoroughly with soap and water. Use eye protection. Avoid contact with eyes, if such contact occurs irrigate with water for 20 minutes and seek medical advice. If mistakenly ingested, drink plenty of clean water and seek medical advice.



## TECHNICAL SUPPORT

Application of the ECOBOND should be done according to the procedure mentioned in this technical data sheet. IKAN INC will not be held responsible for any claim arising out of non-performance of the product due to incorrect application procedure or usage of product for non-recommended purpose. Please contact IKAN INC. technical team for more details on application of ECOBOND for any purpose other than mentioned above or on surfaces with other special construction additives.



## DISCLAIMER

To the best of our knowledge and belief, this information is true and accurate, but as conditions of use and any labor involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.