

# TECHNICAL DATA

## PRODUCT DATA SHEET

**Product Name:**  
**BLUEMAX DIAMOND**

**MANUFACTURER:**  
**BLUEMAX POLYMERS**  
ERODE, TAMILNADU, INDIA  
info@bluemaxpolymers.com  
[www.bluemaxpolymers.com](http://www.bluemaxpolymers.com)



### Description

Interior and exterior bonding of ceramic tiles vitrified tiles, stone and mosaics on floors, walls and ceilings. Also, suitable for spot bonding of insulating materials such as expanded polystyrene, rock and glass sound-deadening panels, etc.

### Recommended Use

Specially designed for interior & exterior floor & wall applications. (Ceramic, sandstone, granite, marble, porcelain, etc.) On the following Substrates Concrete, Lightweight blocks, Stone walls (cleaned and prepared), Glazed tiles (internal use), Cementitious plaster and renders, Gypsum Board. Bluemax Premium also uses in Private swimming pools, Bathrooms, Stairs, Heated floors, Rooms, Parking etc.

### Technical Characteristics

Bluemax Diamond is a grey powder composed of cement, fine-aggregates, synthetic resins and special additives, developed by Bluemax Polymers.

A mortar with the following properties is obtained when mixed with water:

- Easily workable.
- Highly thixotropic: Bluemax Diamond can be applied on a vertical surface without sagging or slipping even when heavy tiles are used.
- Perfect adherence to all materials normally used in building.
- Hardens with minimal shrinkage.
- Extended open time.

### Technical Specification

இந்திய தேசிய நடுமரபு Bluemax Diamond quality standard	
Appearance	Powder
Composition	Cement, Siliceous sand & Additives
Color	Grey & White
Density	1 ± 0.05
Mixing water for use a slurry key	5L/1 bag 20kg
Open Time	30 minutes
Adjustability	45 minutes
Foot Traffic	24 hours
Interval Before Normal Use	14 days
Voc	<1 g/L ( USEPA 24)
Grouting	24 hours
Coverage	1 bag= 20kg/ 4.8m <sup>2</sup> in 3mm thickness
Shelf life	12 months of the original packing in dry environment



# TECHNICAL DATA

## Direction & Instruction for Use

- Clean the substrate of oils stains and bond inhibiting compounds, also remove any loose particles dirt, dust.
- Ensure that the surface is flat (hard and rigid) for the given application.
- Ensure that the surface is well saturated before application in the case of cementitious substrates.
- Gradually add 3 parts of powder (by volume) and mix it to a smooth workable paste.
- Always add powder to water.
- After mixing allow for 2 minutes for it to mature.
- Do not attempt to extend the pot life by adding the more water to the mix.
- Apply adhesive over the surface using the straight edge of the notched trowel, if the adhesive is buttered trowel, tile, then ensure proper coverage of tile surface to avoid voids.
- Firmly press the tile into the adhesive to ensure good initial bonding.

## Product Application

Apply Bluemax Diamond evenly on the substrate. Use a notched trowel to have a uniform thickness 3mm minimum. Apply the tiles on the substrate and press them firmly, while making sure that the paste does not slip from the tile sides. Bluemax Diamond can also be applied on the back of tiles to ensure full adhesion with the entire surface. In case exceptional performance is required.

## Precautions

Apply Bluemax Diamond on the substrate by areas of around 1 m<sup>2</sup> each, which can be tiled within a maximum of 25 minutes from application time at 23°C. After that time, an outer skin may form thus preventing the tile from adhering properly to Bluemax Diamond. Adjustments to the tiles should only be made during Bluemax Diamond open time. It is recommended to leave a minimum width of 2 mm around the tiles. Grouting the tile joints should only be done at least 24 hours after tiling, using Ultra Joint Filler EX-20.

## Coverage

Bluemax Diamond 20kg gives coverage of 4.8 m<sup>2</sup> in 3 mm thickness.

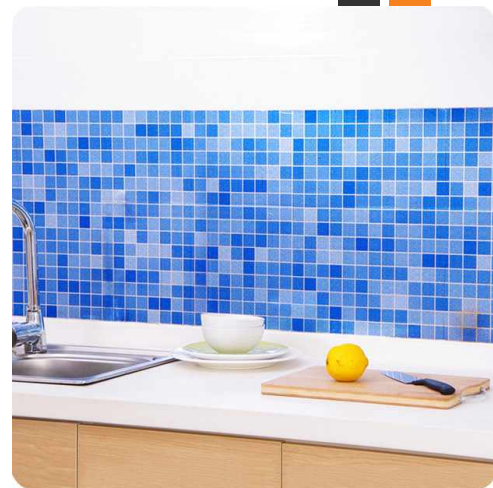
## Shelf Life

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

## Packing

Bluemax Diamond available in 20kg bags.

## Safety Measures



# TECHNICAL DATA

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area; Protective clothing such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidental swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

## CLEANING

Clean the tools with water after use. Cured materials can only be removed mechanically.

## Disclaimer

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact our company address.

## Note

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.

