

**BENzi EXCELBOND**  
Two Pack Water Based Epoxy Universal Primer



**BENzi Excelbond** is a two pack water-based epoxy coating specially designed as a universal primer that provides good adhesive strength to the substrate surface ready for subsequent topcoat. This high performance primer can be applied on variety of smooth substrate such as ceramic tiles, glass, masonry, plastered wall, concrete floor, wood, ferrous & non-ferrous metals, for exterior and interior use. Besides, it is efflorescence and alkaline resistant, having excellent moisture tolerant property that can be served as a protective moisture barrier against rising damp through the concrete floor as well as penetrating damp through plastered wall, hence preventing paint defects arising from dampness. Due to its unique characteristic, it is not only used as an adhesion promoting primer for most substrates, but also as an ideal dampness solution for masonry, plastered wall, concrete floor & etc. It is a specially developed green product that has less of an environmental impact & less detrimental to human health.

**Standard Packing** : 1 litre, 5 litres & 15 litres

**Technical Information**

Mixing Ratio (By Volume) : 4 : 1 (Base : Hardener)  
 Binder : Epoxy and modified curing agent epoxy  
 Finish : Matt  
 Color : White  
 Thinner : Water  
 Solid Content : 50% (by weight); 35% (by volume)  
 Dry Film Thickness : 35 - 40 microns / coat  
 Theoretical Coverage : 8 - 10 m<sup>2</sup> / litre / coat (actual coverage may vary from 20 – 50% due to loss factors such as surface profile, application method, dry film thickness, surrounding condition & etc)  
 No. of coats : 1 coat  
 Touch Dry @ 30°C : 1 hour (depends on temperature and humidity)  
 Recoating Interval : Minimum 8 hours  
 Curing Time @ 30°C : 5 - 7 days (depends on temperature and humidity)  
 Pot Life @ 30°C : 1 hour after mixing of Base and Hardener  
 Shelf Life : Minimum 12 months if properly stored

**Typical Painting System**

Substrate	Sealer / Primer (1 coat)	Topcoat (2 coats)
Ceramic Tile / Glass	BENzi Excelbond	BENZITHANE 300 (Exterior & Interior Use) BENZIPOX 280 (Interior Use)
Masonry / Plastered Wall	BENzi Excelbond	For Interior Use: BAOMA Viruspruf, BAOMA Optisheen, BAOMA Nano Wash, BAOMA Pearl
Concrete Floor	* BENzi Excelbond	BENZIPOX 280 (Interior Use) BAOMA Colorflor (Exterior & Interior Use)

\* Recommended to dilute the primer coat with 20% Water as to provide better penetration & adhesion to concrete surface.

**Application Methods**

Brush / Roller : Recommended for small area and touch up such as stripe coating, weld-seams, edges, corner, rivets etc. Dilute up to 5% of water if necessary.  
 Conventional Air Spray : Dilute up to 10% of water if necessary  
 Airless Spray : If thicker coat in one application is required, airless spray application is recommended. Dilute up to 5% of water if necessary  
 Handling : Mix the Base and Hardener in correct ratio and stir the paint thoroughly until completely mixed before painting  
 Clean Up : Clean all paint equipment with water immediately after use

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## Surface Preparation

Ensure the surface to be painted is clean, dry & free from dirt, oil, grease & other contaminants. Remove all loose or powdery residues by brushing or scraping with a stiff fibre brush under running water or by using high pressure water jet. Areas affected by mould, lichen, algae or fungus must be treated with **MCI Micro Kill**. Repair defects with a suitable filler or putty. Avoid painting where surface is high in moisture content or during wet weather. Newly laid concrete surface must be allowed to cure for at least 28 days, ensure the surface is below 16% moisture content as measured by protimeter and alkalinity below PH9 prior to painting.

## Storage

Keep container tightly closed and in a secure upright position, store in a cool and shady place, do not expose directly to sunlight and extremes of temperature. Keep out of reach of children.

## Safety, Health and Environment

Ensure good ventilation during painting, do not breathe vapour or spray mist. Keep doors and windows open during application and drying. It is advisable to wear mask and eyes protector while applying. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accidental ingestion, **DO NOT INDUCE VOMITING**, seek immediate medical advice. To remove splashes of paint from skin by using water and soap or skin care product. Do not empty paint into drains or water courses, dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.

Materials Safety Data Sheet ( MSDS ) is available upon request.

## Hazard Statement

This product is not classified as Hazardous under Malaysia's CLASS Regulations.

## Limitation of Liability

Liability of MCI Paint Sdn Bhd on any claim of any kind, including claims based upon negligence of MCI Paint Sdn Bhd, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall MCI Paint Sdn Bhd be liable for consequential or incidental damages.

## Disclaimer

The above information is given to the best of our knowledge based on laboratory tests and practical experiences. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to change the given information without prior notice due to production refinements arising from continuing research and development, which may result in changes in the paint properties.



**MCI PAINT SDN BHD** (849155-P)

Lot 5189, Kawasan Perindustrian Balakong Jaya, 43300 Balakong, Selangor.

Tel: +603 8962 2788 Fax: +603 8962 2798 Website: [www.mcipaint.com.my](http://www.mcipaint.com.my)