



MASTER BOND



303

TWO COMPONENT FILLERISED MOISTURE INSENSITIVE EPOXY CONCRETE BONDING AGENT

SPECIFICATION

ASTM C881 Type2, Class B and C.

DESCRIPTION

Master Bond is a **Two Component** permanent epoxy adhesive for internal or external bonding or rendering, granolithic toppings, and concrete. The ultimate bond strength is greater than the tensile strength of concrete. Master Bond does not shrink and provides an even and stress free bond

ADVANTAGES

- 1) High strength
- 2) Non shrink
- 3) Durable
- 4) Resistant to chemical attack
- 5) Supplied in pre-weighed units.
- 6) Solventless epoxy insensitive to moisture

DIRECTIONS FOR USE

Preparation:

All surfaces must be thoroughly cleaned and prepared. All loose particles, laitence, dust, curing compounds, floor hardners, oil, grease, fat, bitumen and paint must be removed if good bond strength is to be achieved.

Gloss surfaces must be abraded.

If oil or grease are present, scrub surface with hot detergent water and rinse thoroughly. Where the concrete surface is badly disintegrating, the degraded areas should be removed by chipping, grit blasting, or scabbling until a sound base is obtained. Remove loose particles and prepare as above. All laitence that has not been worn away should be removed by mechanical scarification, sandblasting, or by acid etching. Visible signs of mould growth, lichen or algae, should be removed and treated with a fungicidal wash.

New concrete should have cured until the

shrinkage and moisture movement is low. Surfaces heavily impregnated with mould oil should be degreased and sandblasted or mechanically scarified to remove the contaminated surface. All curing compound should have disintegrated or be removed and application carried out only over clean, dust free surface.

Mixing:

Carefully transfer the entire contents of the smaller container of REACTOR COMPONENT to the larger BASE COMPONENT and mix thoroughly, using a stout, palette knife or a slow running drill with a paint mixing paddle until uniformity is achieved. This normally takes two to three minutes.

Note: Heat is generated after mixing Master Bond and the can may become too warm to hold.

Guide to Application :

The material is ready to use 3or 4 minutes after mixing. As the pot life is limited work should proceed quickly. Master Bond should be applied evenly across the whole surface with a clean, short haired paint brush. The contents of the can must be used within 45 minutes of mixing. On horizontal surfaces, lay the screed immediately after applying Master Bond. Rendering over 6 mm thick should be built up in several layers.

Rendering and Screeds:

Once the Master Bond has been applied recognized methods of working may be adopted. It is essential that granolithic paving and sand cement renders and screeds are cured. This can be achieved by curing with a fine spray of clean water and polythene sheeting. Failure to observe these precaution may cause the render or screed to crack and craze.

Size: 148 mm x 210mm



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Temperature:

Since low temperatures retard the setting and curing of Master Bond, avoid working in cold weather if possible. Although Master Bond cures slowly at low temperatures, a temperature of 7°C-10°C can be considered to be the lowest at which work on vertical rendering may proceed satisfactorily without stuttering.

TYPICAL PROPERTIES

Typical properties of Master Bond are as follows:

Colour	: Pale Yellow
Specific Gravity	: 1.60 at 25°C
Flashpoint	: 200°C
Pot life	: Approx. 1 hour
Tack Free Time	: Within approx. 6 hours
Full Cure	: 7 days
Compressive Strength	: 100 – 110 N/mm ²

COVERAGE

30 to 40 Sq. ft. per kg Depending upon surface

PACKING

Master Bond is supplied in 1 kg

SHELF LIFE

12 Months from the date of manufacturing

HEALTH AND SAFETY

Master Bond should be handled carefully. Use of mask and hand gloves recommended

QUALITY ASSURANCE

All “PERMA” branded products are manufactured under strict quality control supervision as per exact manufacturing specifications. Should you find the behaviour of the product varying from the claims in the data sheets please stop the use of the product and contact the nearest Perma staff or Distributor.

STATEMENT OF RESPONSIBILITY

Perma branded products when used in accordance with the current published directions for use, performs as per its data sheets/catalogue. The manufacturer and the Distributor will not be responsible for other materials and conditions of inferior workmanship.

The Buyer of the product is responsible for determining the suitability of PERMA products for the Buyer's intended purposes. The product must be installed according to PERMA authorised installation information or instructions in its product literature or on its packaging labels. PERMA shall not be held responsible for defects which arise as a result of poor workmanship, or interference of the product by the use of other incompatible materials installed.

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DISTRIBUTOR ADDRESS

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