

# ENDURACOAT

## DESCRIPTION

Chemical resistant, 100% solids, solvent free, high-build epoxy coating system.

## USES

A protective coating for concrete, block, plaster, timber and fibreglass surfaces. Ideal for swimming pools and for use in dairy factories, milking sheds, piggeries, textile mills, water and sewage treatment plants, sugar mills, petrochemical industries, etc. The coating may chalk on long term exposure to sunlight and therefore is not recommended for exterior use if an aesthetic gloss finish is to be maintained. Two hardeners are available depending on application conditions.

## ADVANTAGES

Solvent free, no smell. Supplied in pre-weighed kits. Can be applied at any thickness. Cures down to 2°C (Winter Hardener). Cures to a high gloss, enamel like finish that is easy to clean and is hygienic.

## PACK SIZE:

Kit Size	Mix Ratio A & B	Coverage
20 kg kit	15kg + 5kg	6m <sup>2</sup> per kg @ 165 micron thickness

Endurabond Reducer No:2	20 litre pails 4 litre cans
Endurabond Reducer No:3	20 litre pails 4 litre cans

## APPLICATION

Weigh out Part B (hardener) into Part A (resin) into a separate container and mix thoroughly with a stirring stick or preferably a low speed power drill and mix for at least 3 minutes ensuring to scrape well the sides of the container a few times during the mixing process. Pour the mixed epoxy immediately into a shallow tray to extend the working life. A small amount (5-10%) of Reducer No:2 or Reducer No:3 can be added to aid application if required, especially on the first coat. Application can be by brush, roller, squeegee, spatula etc. Tools can be cleaned with Reducer No:3 before the material has gelled. ***In multiple coat applications maximum adhesion is achieved between coats by applying the next while the previous one is still tacky*** - maximum recoating time is 18 - 24 hours at 20°C (Summer hardener) Two coats are usually sufficient.

## WORKING TIME:

<u>Winter Hardener</u>	<u>Summer Hardener</u>
15 mins @ 25°C	45 mins @ 25°C
45 mins @ 10°C	Not recommended below 10°C

## TACK-FREE TIME:

2-3 hrs @ 20°C	3-4 hrs @ 20°C
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## CURE TIME:

5°C	5 days	-
15°C	48 hours	3 days
20°C	24 hours	48 hours
25°C	18 hours	24 hours

## FIRST AID

Contamination of the eyes by resin, hardener or mix should be treated immediately by flushing with clean, running water for 10 to 15 minutes. A doctor should then be consulted.

Material smeared or splashed on the skin should be dabbed off, and the contaminated area then washed and treated with a cleansing cream.

A doctor should be consulted in the event of severe irritation or burns. Contaminated clothing should be changed immediately.

Anyone taken ill after inhaling vapours should be moved out of doors immediately.

## IMPORTANT

The information given in this publication is based on the present state of our knowledge but any conclusions and recommendations are made without liability on our part. Buyers and users should make their own assessment of our products under their own conditions and for their own requirements.

The use of these products being beyond the control of the manufacturer, no liability or responsibility can be accepted for any loss or damage arising from their application or use. Liability for faulty material is limited to replacement only.

Oct 2016 (replace Sept 2010)

## **DECORATIVE FLOORING SYSTEM**

**Enduracoat** with Colorquartz Aggregate or Decorative Paint flake makes for seamless flooring especially recommended for:

- Light Industrial
  - Factories
  - Electronic clean rooms
  - Laboratories
- Commercial
  - Grocery stores
  - Food packing rooms
  - Meat & poultry handling areas
  - Commercial kitchens
  - Department stores
- Institutional
  - Hospitals, nursing homes and clinics
  - School rooms and hallways
  - Medical and dental offices
  - Veterinary centres, animal husbandry buildings
  - Community Centres
  - Motels and Hotels
  - Cafeterias
  - Museums and public buildings
- Recreational
  - Health clubs
  - Locker rooms
  - Pool areas
  - Spa areas
- Residential
  - Apartment laundry rooms
  - Restrooms and shower rooms
  - Foyers

## **APPLICATION:**

### **Primer/First Coat:**

Squeegee and roller apply the mixed **Enduracoat** at a coverage rate of 120 sq.m per kit. Allow any roller marks to level out (5 to 10 minutes).

### **Decorative Second Coat:**

As soon as the first coat has cured sufficiently to walk on (3 to 6 hours depending on ambient temperature), apply another coat as per the primer/first coat at a coverage rate of 100 sq.m per kit and then broadcast either the Colorquartz Aggregate or Decorative Paint Flake to excess (no visible wet areas).

### **Final/Seal Coat:**

As soon as the decorative coat has cured sufficiently to walk on remove the excess aggregate or flake with a broom. Lightly abrade the surface with a floor sander or pole sander etc to remove any sharp projections and then vacuum.

Apply the clear sealer - either Permaglaze polyurethane clear sealer or Armafloor 500 polyaspartic clear sealer by squeegee and roller ensuring there is no puddling of material. Roll out in several directions to eliminate roller marks. An addition of 5 to 10% thinner can assist. For a smoother surface (less non-slip), apply a second seal coat as soon as the first coat is tack free.

For interior industrial floors use Endurabond CR epoxy clear sealer.

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