PRODUCT DATA SHEET
Centrecoat
Armourcoat WB 2-200

Description

Centrecoat Armourcoat WB 2-200 is a two part virtually solvent free epoxy resin coating offering excellent abrasion and chemical resistance. Armourcoat WB 2-200 provides a tough, hard wearing coating for light & medium duty traffic giving high performance at an economical cost.

Centrecoat Armourcoat WB 2-200 is formulated for light and medium duty areas requiring an easy to clean, tough and durable coating with excellent chemical resistance such as factories, warehouses, workshops, showrooms, packing and storage areas.

Suitable for concrete & polymer modified cementitious screeds.

Features

- Protects concrete from oil and chemical spillages
- Medium build
- Excellent wear resistance
- Virtually solvent free
- Gloss, easy to clean finish
- Low viscosity
- Easy to apply
- Non-dusting

Colour

Gloss finish in a range of attractive colours. Tintable to large selection of BS4800 or RAL are available upon request.

Armourcoat WB 2-200 is not 100% colour fast & may yellow over time. The rate of change will depend on UV light and heat levels and cannot be predicted. This will be more pronounced with lighter colours & blue shades and does not compromise the product's performance or chemical resistance characteristics.

Application / Substrate Conditions

Do not apply outside of the range 10 - 25°C. Localised heating or cooling equipment may be required outside this range to achieve ideal temperature conditions. To reduce the risk of blooming caused by condensation, the climate above the uncured floor should be maintained at least 3°C above the dew point for at least 48hrs after application.

Preparation

Concrete substrates must be a minimum of 28 days old, dry, clean and free of surface laitance and contaminants such as dirt, oil, grease, poorly bonded coatings and surface treatments. Inadequate preparation will lead to loss of adhesion and failure. In coatings, there is a tendency for the finish to mirror imperfections in the substrate. Grinding, or light vacuum-contained shot-blasting is therefore preferred over planing for these systems. Concrete must include a functional damp proof membrane.

For large areas of oil / grease contamination, use hot compressed air treatment. Small, isolated contamination should be removed using an appropriate degreaser, rinsed thoroughly and allowed completely to dry. A coat of Armourcoat Oil Tolerant Primer should be applied (see separate data sheet).

Mixing

Materials should be stored at 15°C - 25°C for a minimum of 8hrs prior to use. Premix the coloured resin component before use. Ass the hardener component to the coloured resin component and mix using a low speed electric mixer

(200-500 rpm) for at least 3 minutes until homogeneous. Use a spatula to scrape the sides & bottom of the mixing vessel several times as unmixed material will result in uncured patches in the final finish.

Application

Best results are obtained in warm conditions (minimum 15°C). Apply with a medium pile simulated sheepskin roller working well into the surface taking care not to exceed the coverage rate. Edges & difficult to reach areas may be applied thinly by brush. An anti-slip finish may be achieved by fully broadcasting the first coat with 0.3 - 0.6mm kiln dried silica sand at 2 - 4 Kg/m2.

Allow the first coat to fully cure (24hr at 15°C or longer in colder temperatures) then remove all excess sand with a stiff broom and vacuum. Apply a second coat to encapsulate the grains. Coverage rate will depend on surface profile but will be greater than the first coat.

PTV slip resistance of system listed above is 75 in dry and 65 in wet.

The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary dependent upon site conditions. The slip resistance figures given above are affected by application techniques & prevailing site conditions. Slip resistance can reduce over time due to poor maintenance, general wear or surface contaminants. Good house keeping practices should be observed.

Technical Data

- Thickness: Approx 200 microns from 2 coats
- Adhesion to Concrete (BS EN 1504-2: >1.5 MPa (concrete failure at 28 days at 20°C)
- The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field applied samples may vary dependant upon site conditions.
- Pot Life: 25 minutes at 20°C

- Overcoatable: 16 to 26 hours at 20°C
- Foot Traffic Ready: 36 hours at 20°C
- Full Chemical Resistance: 7 days at 20°C
- The above cure times are approximate and given as a guide only.
- The floor should be protected from contact with water for at least 7 days.

These times can vary due to prevailing site conditions. At lower temperatures curing times will be extended. If the over coating interval of 36hrs is extended, the first coat should be abraded to ensure intercoat adhesion.

Coverage Rate

The coverage rate will vary depending on the texture and porosity of the substrate, film thickness and application technique. Two coats are normally sufficient but on very porous substrates, an initial coat of **Centrecoat Armourcoat 3-350 Primer** may be required.

As a guide:
- Normal substrate: 1st coat - 5.5,2/kg, 2nd coat - 7.1 m2/kg
- Porous/uneven substrate: 1st coat = 3.6m2 per kg

A full sand scatter with the excess aggregate removed may achieve 3m2/kg.

Clean Up

Tools and equipment should be cleaned whilst the resin is still wet with a suitable solvent.

Maintenance

Armourcoat WB 2-200 can be easily cleaned using industry standard cleaning chemicals and techniques designed for epoxy resin flooring. Test cleaning agents prior to use. Do not steam clean or subject to temperatures in excess of 60°C.

Storage

Materials should be kept dry and stored in a stored in a weatherproof building maintained at 15 - 25°C on pallets and away from walls. Consignments should be used in order of batch number. Protect from frost.

Shelf Life

12 months if stored in accordance with the above recommendations.

Packaging

Available in 5 Kg

Limitations

Remove food products from the area during application curing. As with all high gloss paint finishes, scratching of he surface may occur with use due to surface contamination and abrasion. In common with all smooth floor finishes, Armourcoat WB 2-200 may become slippery under certain conditions. In areas of chemical spillage, please consult our tech dept for specific advice.

For further information on this or any other Centrecoat product, please contact our technical department.

Before using this product, please ensure that you have read the product safety data sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be >75% or if the surface temperature is <3ºC above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be <10ºC during the application or within the curing period.

The manufacture of Armourcoat WB 2-200 is a batch process and despite close manufacturing tolerances, minor variations in shade may occur between batches. Products from different batches should not be used on the same surface or surfaces close together. If mixed batches are unavoidable, it is best practice to use the different batches only in areas where the colour cannot be directly compared. Touching up should only be attempted using product from the same batch using the same application methods. Product should be reserved specially for this purpose. It is recommended that touching up is carried out up to a break in the floor or surface.