

ALTROCOAT/ALTROCOAT PLUS

WATER DISPERSED EPOXY FLOOR COATING

Ref No: ATD 005

Date: February 2001

PRODUCT DESCRIPTION

Altrocoat is two pack medium solids content, water epoxy floor coating available in clear and a wide range of colours. May be applied to green concrete and damp surfaces, its microporous properties permit the passage of entrapped water vapour whilst still providing a barrier against liquids. Altrocoat can be applied in food preparation and other sensitive areas where tainting is a risk. With certain foodstuffs and confined areas it is advisable to run screening tests prior to installation.

TYPICAL AREAS OF USE

- New Build Fast Track
- Production Halls
- Workshops
- Warehouses
- Storage Areas
- Garages
- Plant Rooms

ADVANTAGES

- Easy to Apply
- Low Cost
- Suitable for Damp Surfaces
- Low Odour
- Chemically Resistance
- Attractive Range of Colours
- Contamination Control (i.e. New Construction)

SUITABLE SUBSTRATES INCLUDE

Plaster, Concrete, Granolithic, Performance Screeds, Stone, Terrazzo, Brick, Timber / MDF.

STANDARD COLOURS

Wedgwood, Cloud, Terra, Gunmetal, Maize, Spruce, Oatmeal, Dawn, Mink Ruby, Stone, Flint, Ink Blue, Wine Red, Winter Grey, Autumn Yellow, Safety Red, Safety Yellow, White, Black, Clear.

CHEMICAL RESISTANCE

Altrocoat affords good resistance to a wide range of commonly used chemicals. An extensive listing is shown in the Chemical Resistance Data Sheet. N.B. In all cases of chemical spillage, it is essential that the spillage is immediately removed and the surface washed down with water.

SUBSTRATE REQUIREMENTS

Surfaces should be dry, structurally sound and of sufficient strength as well as being free from any contamination that may affect either the adhesion or penetration of Altrocoat. All residues of old paint coatings, installation laitence and dust must be removed. Ensure that floors and walls have an effective DPM installed.

PREPARATION

Detailed instruction sheet ref no. ATD 029 is available on request covering all aspects of surface preparation and product application procedures.

INSTALLATION CONDITIONS

Apply in well-ventilated areas using a brush or roller (not foam). Maintain application and subsequent cure temperatures between + 13⁰C + 25⁰C. Never install on a falling thermometer below 5⁰C since freezing will destroy the material cure mechanism. (Min slab temperature +5⁰C).

FLOOR JOINTS/DETAILING

Refer to instruction sheet.

COVERAGE 25 - 35m²/unit.

Material usage is dependent upon temperature, surface profile and porosity, stated coverage rates should be referred to for guidance only and cannot be relied upon to determine exact quantities.

OVERCOATING TIMES

Minimum 8 hrs. Maximum 24 hrs. If this time period is exceeded the surface should be lightly abraded and vacuumed before further coats are applied.

PROPERTIES

Application Temperature	+ 13 ⁰ C+ 25 ⁰ C
Gel time (100g @ 20 ⁰ C)	80 mins
Intercoat Period	8 – 24 hrs
Foot Traffic	24hrs
Full Cure	7 days
Coverage	5 – 7 m ² /kg
Average Film Thickness	90u/coat

TYPICAL PHYSICAL PROPERTIES

Hardness (BS. 3900)	2.0kg
Taber Abrasion	0.47%
(wt.loss/H22 wheel/1kg/100revs).	
Slant/Shear Bond Strength	9.7N/mm ²
Flexibility (BS. 3900)	4mm mandrel
Water Absorption (BS. 2782)	+1.3%
Resin Density (BS.6319)	1.69g/cm ³
Indicative Fire Resistance	Part 7 Class 1
(BS. 476)	Part 6 Class 0

Associated Data Sheets and Further Information

- Surface Preparation
- Application Methods
- Chemical Resistance Chart
- Floor Maintenance – Resin Based Products
- Storage and Handling – Resin Based Products
- Material Safety Data Sheet – Altrocoat.

DATA SHEETS CANNOT COVER EVERY SITUATION. IF IN DOUBT. ASK.

Orders to: Tel: 0800 663360 Fax: 0800 663361

General and Technical enquiries to: Tel: 01462 707600 Fax: 01462 707515

email: care@altro.co.uk