

# ALTROSEAL UVR COLOURED ALTROSEAL UVR PLUS POLYURETHANE FLOOR COATING

Ref No: ATD 004

Date: February 2001

Altroseal PU coloured is a two pack light stable aliphatic polyurethane floor coating. Available in a wide range of colours, easy to apply and fast curing, it provides an economic floor surface that is resilient yet has good abrasion and chemical resistance.

Altroseal PU plus coloured provides improved slip resistance through the incorporation of a micaceous mineral, which lightly textures the surface.

## HEALTH and SAFETY WARNING

**Wet Floors can be Dangerous, a Duty of Care must always be Exercised in Wet Areas.**

## TYPICAL AREAS OF USE

- Aircraft hangers
- Light to medium engineering areas
- Warehouses
- Storage areas
- Garages/Workshops
- Plant rooms
- Chiller rooms

## ADVANTAGES

- Easy to apply
- Cost effective
- Good chemical resistance
- Good scuff resistance
- Attractive range of colours

## SUITABLE SUBSTRATES INCLUDE

Concrete, Granolithic, Stone, Terrazzo, Brick, Timber / MDF, Metal.

## 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

Altroseal PU Colour affords excellent resistance to a wide range of commonly used chemicals. An extensive listing is shown in the Chemical Resistance Data Sheet

## 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 Altroseal PU Coloured. All residues of old paint coatings, installation laitence and dust must be removed. Ensure that floors and walls have an effective DPM installed and that

residual moisture does not exceed 5% by weight (75% R.H). BS 8203 1996.

## PREPARATION

Detailed instruction sheet ref no. ATD 029 is available on request covering all aspects of surface preparation and product application procedures. Dense powerfloated concrete requires priming with Altrodur UVR Primer.

## INSTALLATION CONDITIONS

Apply in well ventilated areas using a brush or roller (not foam). Note that all polyurethane -based products should never be spray applied. Maintain application and subsequent cure temperatures between + 5<sup>0</sup> - + 30<sup>0</sup>C. Never install on a falling thermometer below 5<sup>0</sup>C since freezing will destroy the material cure mechanism. (Min slab temperature +5<sup>0</sup>C).

## FLOOR JOINTS/DETAILING

Refer to instruction sheet.

## COVERAGE

|                            |                            |
|----------------------------|----------------------------|
| Altroseal PU Coloured      | 30 - 40m <sup>2</sup> /5kg |
| Altroseal PU Coloured Plus | 30 - 35m <sup>2</sup> /5kg |

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

## STANDARD COLOURS

Wedgwood, Cloud, Terra, Gunmetal, Maize, Spruce, Oatmeal, Dawn, Mink, Ruby, Stone, Flint, Safety Red, Safety Yellow.

## PROPERTIES

|                                     |                       |
|-------------------------------------|-----------------------|
| Application Temperature Range       | + 5 <sup>0</sup> + 25 |
| Gel time (100g @ 20 <sup>0</sup> C) | 12 - 16 hrs           |
| Tack Free Time                      | 4 hrs                 |
| Pot life                            |                       |
| Intercoat Period                    | 6 - 24 hrs            |
| Foot Traffic                        | 16 hrs                |
| Full Cure                           | 4 days                |
| Coverage                            | (see below)           |
| Average Film Thickness              | 90u/coat              |

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

ALTRO RESIN SYSTEMS™

### **TYPICAL PHYSICAL PROPERTIES**

|  |                                  |
|--|----------------------------------|
| Hardness (BS. 3900)                                | 4.8kg                            |
| Slant/Shear Bond Strength                          | 8.7N/mm <sup>2</sup>             |
| Taber Abrasion<br>(wt.loss/H22 wheel/1kg/100revs). | 0.5%                             |
| Resin Density (BS.6319)                            | 1.48 g/cm <sup>3</sup>           |
| Water Absorption (BS. 2782)                        | -0.9%                            |
| Indicative Fire Resistance<br>(BS. 476)            | part 7 Class 1<br>part 6 Class 0 |
| Radiological Decontamination<br>(BS. 4247)         | Factor 158<br>Class Good         |
| Flexibility (BS. 3900)                             | 20mm mandrel                     |

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### **Associated Data Sheets and Further Information**

- Surface preparation
- Application methods
- Chemical resistance chart
- Floor maintenance – resin based products
- Storage and handling – resin based products
- COSHH Safety data sheet – Altro seal PU Coloured.

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