

## Description

Centrecoat Armourcoat PUFlex 3-500 is a two part flexible polyurethane floor coating with a gloss finish. Centrecoat Armourcoat PUFlex 3-500 is suitable for the protection of concrete floors subject to medium duty traffic (regular foot traffic, occasional fork lift truck traffic, occasional hard plastic-wheeled trolleys).

Typical environments include hospital flooring, pharmaceutical manufacturing, cafeterias and canteens, offices, school, hotels, retail outlets, leisure facilities, health clubs, sports arenas, multi-purpose halls, exhibition areas and museums.

- ▶ Easy to apply
- ▶ Low odour
- ▶ Hard wearing, tough and resilient
- ▶ Seamless
- ▶ Hygienic / easy to clean and maintain

## Suitable Substrates

Suitable for application onto to concrete, polymer modified cementitious screeds, steel, timber and some asphaltic surfaces.

## Appearance

Centrecoat Armourcoat PUFlex 3-500 is not colour fast and may yellow over time. This will be more pronounced with lighter colours and blue shades and does not compromise the product's performance or chemical resistance characteristics.

## Preparation

Inadequate preparation will lead to loss of adhesion and failure. In coating systems, there is a tendency for the finish to minor imperfections in the substrate. For concrete substrates, grinding or light vacuum contained shot-blasting is therefore preferred over planing for these systems.

## Priming

A primer is not usually required. On extremely porous substrates, apply [Centrecoat Armourcoat Multi-Use Primer](#). See separate data sheet. If, when cured, there are dry patches, a further primer coat is may be required. Allow to cure between coats. If the primer or previous coats have been left to cure for >48 hours then the primer surface should be mechanically abraded and the area re-primed. Failure to do so may result in loss of adhesion.

## Mixing

Prior to mixing, the temperature of the two components must be between 15 and 25oC. Add the hardener component to the coloured resin component and mix using a low speed electric mixer (300 - 400 rpm) for at least 3 minutes until homogeneous. Keep the mixing paddle fully submerged to avoid the entrapment of air and scrape the sides and bottom of the vessel several times. Decant the mixed material to a second mixing vessel and mix as above for a further minute.

## Application

Distribute the mixture immediately onto the surface using a medium pile roller and apply evenly. Plan the work area to ensure a constant wet edge and work within the working time of the material. Centrecoat Armourcoat PUFlex 3-500 reacts with water causing foaming. During application take care that no sweat drops fall into the uncured material. Wear head and wrist bands during application.

The ideal ambient, substrate and material temperature range is 15 - 25°C. Localised heating or cooling equipment may be required outside this range otherwise the surface finish may be impaired. The maximum atmospheric and substrate relative humidity should be 75%. The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface, from before priming to at least 48 hours after application.

## Technical Data

- ▶ Thickness: Up to 0.5mm from two coats
- ▶ Resistant to occasional spillages up to 40°C
- ▶ BS 8204-6 Type 3 (Mixed Density): Approx 1.6 g/cm<sup>3</sup>
- ▶ Pot Life: 20 minutes at 20°C
- ▶ Ready For Light Foot Traffic: 16 hours at 20°C
- ▶ Overcoatable: Between 8 - 48 hours at 23°C
- ▶ Fully Cured: 7 hours at 20°C
- ▶ VOC: Complies with category j type SB (< 500 g/l)

The above times are a guide only. These times can vary due to prevailing site conditions.

## Coverage Rate

Approximately 0.4 kg/m<sup>2</sup> per 0.25 mm thickness Two coats are required, typically 0.25 mm per coat. Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

## Maintenance

Suitable trap mats should be installed at external entrances. Regular cleaning is essential to enhance and maintain the life expectancy and appearance of the floor. Centrecoat Armourcoat PUFlex 3-500 can be easily cleaned using industry standard cleaning chemicals and techniques. Consult your cleaning chemical and equipment supplier for more information.

## Storage

Store off the ground in unopened packs in a dry store, under cover between 10°C and 30°C out of direct sunlight. Protect from frost.

## Packaging

Available in 5 Kg and 10 Kg

## Health & Safety

Refer to product Safety Data Sheet before use.

## Limitations

Do not proceed with application if atmospheric relative humidity is, or is anticipated to be, >75% or if the surface temperature is <3°C above the dew point. Application should not commence when the substrate temperature or the ambient temperature is, or is anticipated to be, <12°C during the application or within the curing period.

The manufacture of Centrecoat Armourcoat PUFlex 3-500 is a batch process and despite close manufacturing tolerances, colour variation 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



# PRODUCT DATA SHEET

Centrecoat  
Armourcoat PUFlex 3-500

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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.