

UNICHEM FLOOR PU SB 70

POLYURETHANE RESIN BASED FLEXIBLE PROTECTIVE FLOORING SYSTEM

UCA-FC-04-0722

DESCRIPTION

UNICHEM FLOOR PU SB 70 is a Multi component system, high solids polyurethane general purposes high performance aliphatic PU coating.

Offers excellent gloss and color retention and resistance to contaminants normally found in a car park/traffic deck situation.

USES

- ❖ UNICHEM FLOOR PU SB 70 is used in areas where UV resistance is required and where it should be hard wearing, easily cleaned attractive floor with good abrasion resistance which makes UNICHEM FLOOR PU SB 70 suitable for both foot and vehicular traffic. Used in production assembly areas, workshop, dairies, soft drinks production and bottling plant, kitchens, car showrooms, car parks, etc.
- ❖ Provides a high protection system, to a variety of surfaces exposed to aggressive environments.

ADVANTAGES

- UV Stable - will not fade or deteriorate in strong sunlight.
- Excellent service life - resistant to chlorides and sulphate ions plus a wide range of chemicals.
- Labor saving - can be applied directly onto fully cured epoxy coatings, without need for priming system
- Low cost in service - due to combination of excellent UV and good chemical resistance properties

TYPICAL PROPERTIES

PROPERTY	RESULT
COLOUR	AVAILABLE IN LIGHT GREY
PACKAGING	10 & 20 Litre Kit
COVERAGE*	7 to 10 m ² /l *The exact coverage will depend upon the porosity, smoothness of surface, wastage and application method
MIX RATIO (BY WEIGHT)	7:1 (BASE: HARDENER)
MINIMUM APPLICATION TEMPERATURE	5°C

PROPERTY	20°C	30°C
SOLIDS (VOL %)	60 ± 2	
POT LIFE	150 MINS.	100 MINS.
SURFACE DRY	7 HOURS	4 HOURS
THROUGH DRY	9 HRS	4 HRS
DRY TO RECOAT	9 HRS	4 HRS
FULLY CURED	7 DAYS	5 DAYS
RESISTANCE TO CHEMICAL SPILLAGE	7 DAYS	5 DAYS
SHORE D HARDNESS	85 (ASTM C2240)	

The values given above for typical properties are average figures achieved in laboratory controlled conditions Actual values obtained on site may show minor variations from those quoted.

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CHEMICAL RESISTANCE

It has excellent resistance to most aqueous systems, sewage, urine, fresh water, sea water, alkalis, diluted acids, mineral oils, vegetable oils & fats, ammonia and formaldehyde

INSTRUCTIONS FOR USE

SURFACE PREPARATION

It is essential that UNICHEM FLOOR PU SB 70 is applied to sound, clean, dry substrates in order to achieve maximum adhesion between the floor coating and substrate. The long term durability of any resin floor system is determined by the adhesive bond achieved between the flooring material and the substrate. It is most important therefore that substrates are correctly prepared prior to application.

NOTE: UNICHEM FLOOR PU SB 70 should not be applied onto surfaces known to, suffer from rising damp or having a relative humidity greater than 75% as measured in accordance with BS 8203 Appendix A.

Conditions during application: The temperature of the substrate should be minimum 15°C. Good ventilation is usually required in confined areas to ensure proper drying.

MIXING

UNICHEM FLOOR PU SB 70 is a two component system and must be thoroughly mixed before use. The Part A container allows for the addition and mixing of Part B. Pour the entire contents of Part B to Part A container using a spatula. It is imperative that Part B be mixed thoroughly with Part A. Scrape sides of container to ensure complete mixing of Parts A and B. With a slow-speed (500- 600 rpm) drill / paddle attachment, mix 4 - 6 minutes. The paddle blade must be kept below the surface of the coating to avoid whipping air into the coating. Use a spatula or knife to remove all the pigment from the container. Continue mixing until uniform color is achieved.

APPLICATION

Spray: Use airless spray or conventional spray

Brush: Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Roller: May be used. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness

DRYING

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in above table are typical in controlled conditions.

The surface should be dry and free from any contamination or chalking prior to application of the subsequent coat.

The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity.

CLEANING

Spillages of component products should be absorbed on to earth, sand or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packing should be in accordance with local waste disposal regulations. Clean tools & equipment with UNICHEM THINNER/solvents immediately after use.

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STORAGE & SHELF LIFE

Minimum 1 year in original sealed containers at 25°C. The product should be kept in a cool and well ventilated place, protected from heat and direct sunlight. Containers must be tightly closed.

Stir the contents before use

SAFETY PRECAUTIONS

It should not come in contact with skin and eyes or be swallowed. Avoid inhalation of solvent vapors. Some people are sensitive to resins, hardeners and solvents. Gloves, goggles and barrier cream should therefore be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus is recommended. If mixed resin comes in contact with skin it must be removed before it hardens with a resin removing cream or with soap and water. DO NOT USE SOLVENT. Contamination of skin with any of the above component products should be removed immediately with soap and water. Should accidental eye contamination occur with any of the above products, wash well with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - DO NOT INDUCE VOMITING.

LIMITATION OF LIABILITY

This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.

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