QUALITY POLYMER SOLUTIONS

ASP-coat500 | 0.5mm

ASP-coat500 is a pigmented, solvent-free, easily applied high build epoxy floor coating designed to protect concrete substrates.

ASP-coat500 is best suited to coat floors in light to medium duty dry processing areas where a hard-wearing, chemical resistant floor finish is required.

BENEFITS

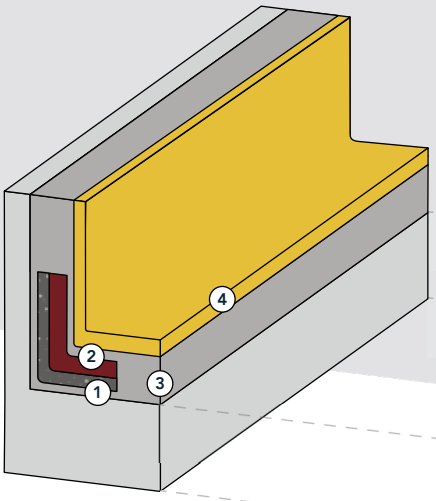
- Excellent resistance to cleaning solvents and various other industrial chemicals
- Solvent-free and low odour formulation
- Slip resistance profile may be customised
- Hygienic, easy to clean, non-tainting and non-dusting coating
- Easily applied with a roller or rubber squeegee
- Can be used as a line marker to denote working zones

APPLICATIONS

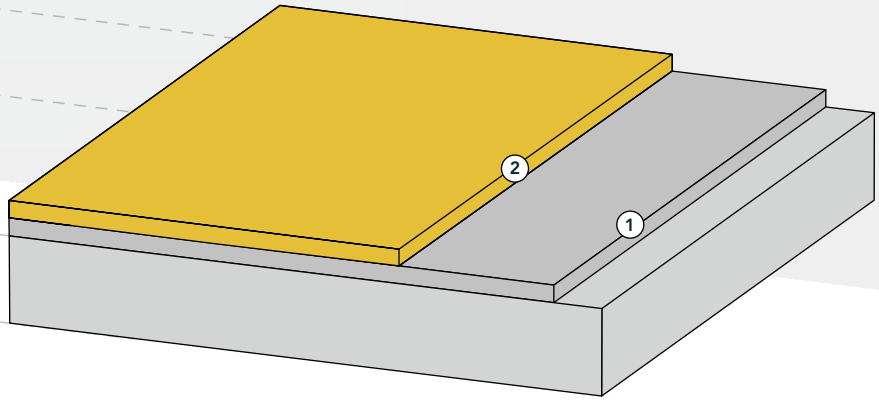
- Light to medium duty industrial process areas
- Warehouse and distribution centres
- Chemical stores, clean rooms and laboratories
- Plant rooms and storage units
- Automotive repair and maintenance workshops and garages
- Hospitals, canteens and schools
- Pharmaceutical and cosmetic industry

SYSTEM INFORMATION

Coving Components



Flooring Components



1 **Primer and Scatter Sand**
- ASP-primeStd 4m²/litre
- ASP-Quartz 1 1kg/m²

2 **Coving**
- ASP-epoxyCove 1.8 litre/linear meter (75mm x 75mm)

3 **Primer**
- ASP-primeStd 4m²/litre

4 **Coating**
- ASP-coat500 4m²/litre

1 **Primer**
- ASP-primeStd 4m²/litre

2 **Coating**
- ASP-coat500 2m²/litre

PRODUCT INFORMATION

PRODUCT CHARACTERISTICS	RESULT
Appearance	Pigmented Gloss
Standard Colours*	Light Grey RAL 7047 · Grey RAL 7004 · Cream RAL 1015 · Yellow Ochre · Red RAL 3011 · Black RAL 9011
Non-standard Colours**	Light Blue RAL 5015 · Green RAL 6002 · Sand Yellow RAL 1002 · Signal Red RAL 3001 · Signal Yellow RAL 1023 · White RAL 9010

Theoretical Coverage System	2m²/litre
Theoretical Coverage / 20l Kit	40m²
Storage	Keep at an ambient temperature in dry, cold-free conditions
Shelf Life	12 months in unopened original packaging

**RAL Numbers are only indicative of a reference of colour.*
***Non-standard colours are available at a premium on request of a minimum order quantity.*

TECHNICAL INFORMATION

PERFORMANCE CRITERIA	RESULT	
Fire Resistance	Class 4 - SANS 10177 - 4 : 2005	
Compressive Strength	SABS SM 863:1994	>70 N/mm²
Flexural Strength	SABS SM 864:1994	>25 N/mm²
Tensile Strength	SABS SM 1253:1994	>15 N/mm²
Impact Resistence	ISO 6272-1:2011	1kg weight >1.8m 2kg weight >1.5m
Chemical Resistance	Resistant to a very wide range of chemicals. For a full chemical resistance breakdown, contact our Sales or Technical Services Team.	
Working Time	15 – 20 minutes @ 20°C	
Speed of Cure @20°C	Light Foot Traffic – 16 Hours	Heavy Duty Traffic – 48 hours
	Light Traffic – 24 Hours	Full Chemical Cure – 7 days

SUBSTRATE AND PREPARATION REQUIREMENTS

Concrete substrates to be coated must be sound and exhibit a minimum compressive strength of 25N/mm² and a minimum of 1.5N/mm² tensile strength for the application of the proposed system. The profile and levels must be appropriate for the application of the proposed system, capable of bearing loads, free of cracks and voids, and free from laitance, dust and other contamination. The substrate must be dry to 75% relative humidity and free from rising damp, ground water, oil and other contamination. Should there be rising damp, ground water problems or impurities such as penetrated oils, etc., please refer to the ASP Technical Team for a suitable and appropriate substrate preparation guideline or solution. The substrate may be prepared by blasting, scarifying or diamond grinding to remove laitance. Irregularities, small damages and cracks must be repaired with an epoxy filler.

APPLICATION

PRIMER

Mix Base A and Hardener B with a low speed drill fitted with a spiral mixing blade for approximately 3 minutes to obtain a homogeneous mixture. Ensure excessive air is not introduced while mixing. The mixed material must be applied within 15 minutes at 20°C. Apply immediately after mixing with a roller or double-lipped rubber squeegee, working the resin well into the substrate, permeating any surface irregularities. On porous substrates, apply further resin until the substrate is completely wetted out. Avoid any ponding of the primer.

TOPCOAT

Mix Base A and Hardener B together with a low speed drill fitted with a spiral mixing blade for approximately 3 minutes to obtain a homogeneous mixture. Ensure excessive air is not introduced while mixing. The mixed material must be applied within 15 - 20 minutes at 20°C.

Apply immediately after mixing with a 1.2mm precision coating rake. Allow to stand for approximately 10 minutes, then roll with a bubble buster / spike roller to release any trapped air. ASP-coat500 may be applied in one thick coat or two coats. The second coat may be applied after 10 hours but no later than 24 hours after the first coat. Optional non-slip and textured finishes are available.

For more detailed information on substrate requirements and preparation, priming and application of the top coat, please refer to the product's method statement.

CLEANING OF TOOLS AND EQUIPMENT

All tools, equipment and mixing vessels may be immediately cleaned with a suitable water soluble solvent, epoxy thinners or acetone. Ensure that all washings are disposed of in accordance with the local environmental, health and safety by-laws.

MAINTENANCE

It is recommended that all spillages onto the ASP-coat500 be cleaned immediately to maintain the appearance and lifespan of the coating. ASP-coat500 must be regularly cleaned with a rotary brush or mechanical scrubbers using a suitable detergent.

ENVIRONMENTAL, HEALTH AND SAFETY REQUIREMENTS

Applicators must ensure the use of appropriate personal protective equipment when working with the product. All used and empty packaging, used solvents and washings must be disposed of in accordance with the local environmental, health and safety by laws. Please refer to the product's material safety data sheet for more detailed information.

LEGAL NOTICE

African Specialist Polymers' systems and products are guaranteed against defective material and manufacture and are sold subject to its Standard Terms and Conditions of Sale, copies of which can be obtained on request.

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