QUALITY POLYMER SOLUTIONS

ASP-coatChem Roller Coat 0.75mm

ASP-Chem VE Roller Coat is a high chemical resistant, vynil ester coating designed to provide protection of concrete substrates in harsh environments.

ASP-Chem VE Roller Coat is best suited to coat floors and walls where a chemical resistant coating is required.

BENEFITS

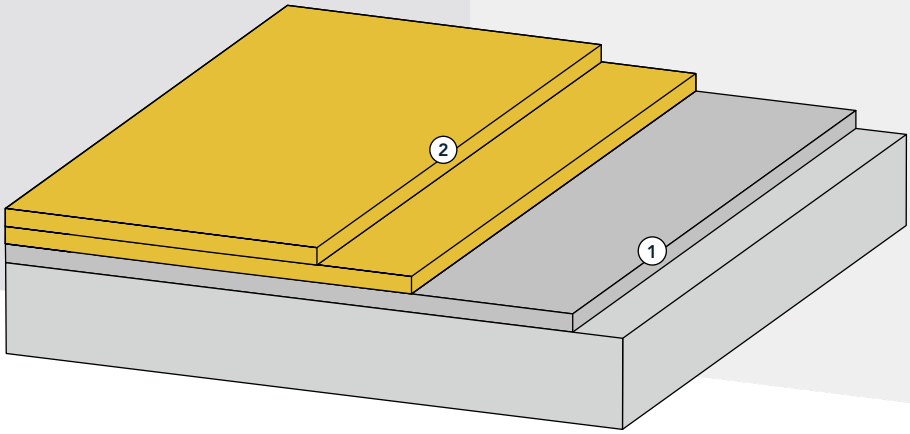
- Excellent chemical resistance to a range of solvents, alkalis and acids
- Thermal shock resistant
- Solvent free and low odour formulation
- Excellent impact resistance and mechanical properties

APPLICATIONS

- Aggressive chemical environments
- Acid and alkali bunded areas
- Chemical stores, clean rooms and laboratories
- Chemical loading areas
- Battery charging bays

SYSTEM INFORMATION

Flooring Components



1 **Primer**
- ASP-coatChem 3-4m²/litre

2 **Top Coat - 2 Coats**
- ASP-coatChem 3-4m²/litre per coat

PRODUCT INFORMATION

PRODUCT CHARACTERISTICS	RESULT
Appearance	Pigmented Gloss
Storage	Keep at an ambient temperature in dry, cold-free conditions
Shelf Life	12 months in unopened original packaging

TECHNICAL INFORMATION

PERFORMANCE CRITERIA	RESULT	
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 Resistance	ISO 6272-1:2011	1kg weight >1.8m 2kg weight >1.5m
Chemical Resistance	Resistant to a 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 Traffic – 24 Hours	Full Chemical Cure – 7 days
	Heavy Duty Traffic – 48 hours	

SUBSTRATE AND PREPARATION REQUIREMENTS

Concrete substrates to be coated must be sound and exhibit a minimum compressive strength of 25N/mm², a minimum of 1.5N/mm² tensile strength and be at least 40mm thick 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. Remove all dust from the substrate prior to application of the proposed system.

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.

TOP COAT

Mix Base A and Hardener B together with a low speed drill fitted with a spiral mixing blade for approximately 3 minute 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 short haired roller.

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-coatChem Roller Coat be cleaned immediately to maintain the appearance and life span of the coating. ASP-coatChem Roller Coat 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.

The information and the recommendations relating to the application and end-use of African Specialist Polymers' products are given in good faith, based on African Specialist Polymers' current knowledge and experience of the products when stored, handled and applied in accordance with African Specialist Polymers' recommendations.

The information herein is of a general nature and as such no assumption can be made about a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of the selected products for their intended use.