

ASP-chemVE-V 5.0 – 10.0mm

ASP-chemVE-V is a trowel applied vinyl ester screed which provides excellent chemical, mechanical and temperature resistance for the protection of vertical concrete and steel substrates

ASP-chemVE-V is a low shrink system that is designed for corrosion control and secondary containment in aggressive chemical plants, food processing, manufacturing and industrial production facilities.

BENEFITS



HACCP certified



Excellent resistance to corrosive foodstuffs and most aggressive cleaning solvents



Excellent cleanability and seamless hygienic finish



Resistant to spillages between:
-15°C to 70°C @ 3.5mm
-25°C to 100°C @ 6mm
-40°C to 120°C @ 9mm
Fully steam cleanable @ 9mm

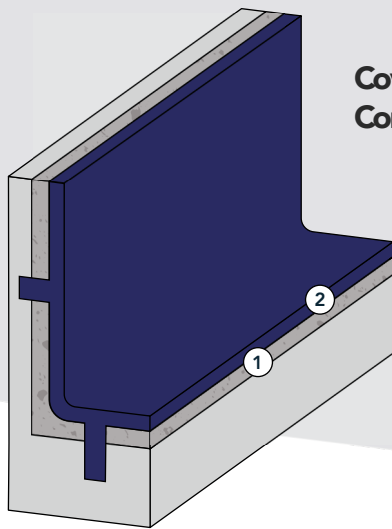


Food safe, solvent-free, odourless, non-tainting and non-dusting

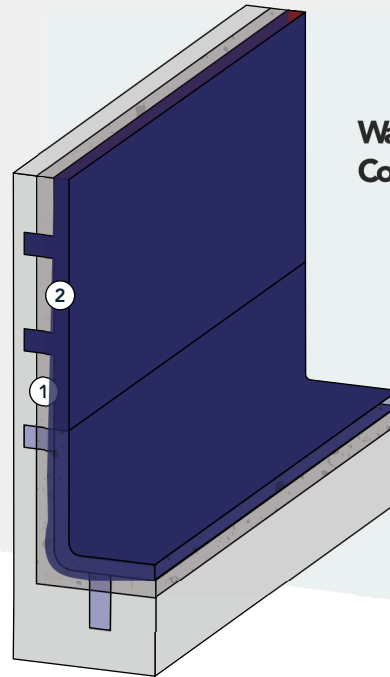
APPLICATIONS

- Food and beverage production, processing and preparation
- Meat, poultry and seafood processing
- Refrigerators, freezers and wet processing areas
- Dairy and cheese production
- Catering kitchens and butcheries
- Bakery and confectionery production
- Effluent pits and chemical bund areas
- High stress industrial and chemical processing areas

SYSTEM INFORMATION



Coving Components



Wall Render Components










- 1** **Primer and Scatter Sand**
- ASP-chemVE-PR
3m²/litre
 - ASP-Quartz 1
1kg/m²

- 2** **Coving**
- ASP-chemVE-V
1.8 litre/linear metre
(75mm x 75mm)
 - ASP-chemVE-RC

- 1** **Primer and Scatter Sand**
- ASP-chemVE-PR
3m²/litre
 - ASP-Quartz 1

- 2** **Vertical Render Coating**
- ASP-chemVE-V
5l/m² @ 5mm
10l/m² @ 10mm

PRODUCT INFORMATION

PRODUCT CHARACTERISTICS	RESULT
Appearance	Pigmented Matt
Standard Colours*	 Grey RAL 7004  Dark Grey RAL 7012  Black Grey RAL 7021  Beige RAL 1001  Yellow Ochre  Red RAL 3011
Non-standard Colours**	 Sand Yellow RAL 1002  Dark Blue RAL 5019  Green RAL 6011  Signal Red RAL 3001
Theoretical Coverage	5l/m ² @ 5mm 10l/m ² @ 10mm 1.8l/linear metre (75mm x 75mm)
Theoretical Coverage / 12l Kit	2.4m ² @ 5mm 1.2m ² @ 10mm 6.6 linear metre @ 75mm x 75mm

Shelf Life	12 months from date of manufacture in unopened original packaging
Storage	Keep at an ambient 10 – 25°C temperature in dry, cold-free conditions

*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	
Temperature Resistance	Resistant to spillages -15°C to 140°C @ 5mm Resistant to spillages -25°C to 160°C @ 10mm. If subject to frequent thermal shock and cycling, a good quality substrate is essential.	
Storage	Keep at ambient 10 -25°C temperature in dry, cold free conditions	
Chemical Resistance	Resistant to a wide range of aggressive chemicals and corrosive by-products. For a full chemical resistance breakdown, contact our Sales or Technical Services Team.	
Compressive Strength	ASTM D 695	>120 MPa
Flexural Strength	ASTM D 790	40 MPa
Tensile Strength	ASTM D 638	20 MPa
Working Time	10 - 15mm	
Impact Resistance	ISO 6772-1:2011	1kg weight > 1.8m 2kg weight > 1.5m
Shelf Life	6 Months from date of manufacture in unopened original packaging	
Working Time	10-15 minutes @ 20°C	
Speed of Cure @20°C	Light Traffic – 24 hours	Heavy Duty Traffic – 48 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. For Isowalls, secure plastic onto the wall up to the floor. A bird's beak may be secured onto the wall at the top of the cove.

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. Broadcast into the wet primer with the appropriate size scatter sand at 1kg/m². When cured, sweep off or vacuum the loose scatter sand. For Isowalls, priming is only required between the toe of the cove and the substrate.

TOPCOAT

Mix Base A and Hardener B together in a rotatory pan mixer or with a low-speed drill fitted with a spiral mixing blade for approximately 2 minutes. Slowly add the pigment pack and mix for a further 1 minute to obtain a homogeneous mixture. Finally, add in the Filler C and mix for an additional 2 minutes. Ensure excessive air is not introduced while mixing. The mixed material must be applied within 10 - 15 minutes at 20°C. Apply immediately after mixing with a PVC coving trowel to the required thickness. ASP-chemVE-V may be sealed with ASP-chemVE-RCt.

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-chemVE-V be cleaned to maintain the appearance and life span of the coating. ASP-chemVE-V 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.

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