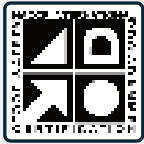




ASP-creteSR is a HACCP certified heavy duty, trowel applied, lightly textured polyurethane concrete protective coating offering excellent chemical, thermal shock and wear resistance.

ASP-creteSR is best suited for use in high-stress, wet or dry food and beverage production and processing and preparation areas which are subject to temperature swings, chemical spillage and punishing cleaning processes.

## BENEFITS



HACCP certified



Excellent resistance to corrosive foodstuffs and most aggressive cleaning solvents



Thermal range of -25°C to 100°C at 6mm and -40°C to 120°C at 9mm



Slip resistant profile suitable for wet processing areas



Excellent cleanability and seamless hygienic finish



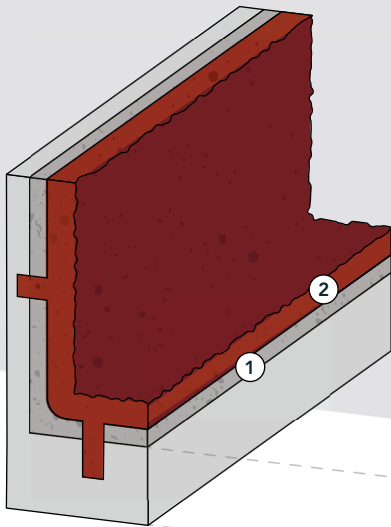
Food safe, solvent-free, odourless, non-tainting and non-dusting

## APPLICATIONS

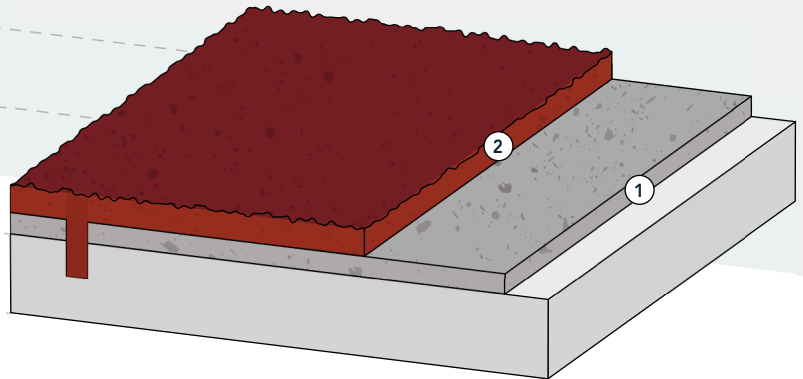
- Food and beverage production, processing and preparation
- Catering kitchens
- Bakery and confectionery production
- Refrigerators, freezers and wet processing
- High-stress industrial and chemical processing

## SYSTEM INFORMATION

### Coving Components



### Flooring Components



#### 1 Primer & Scatter Sand

- ASP-primeStd  
4m<sup>2</sup>/litre
- ASP-Quartz 1  
1kg/m<sup>2</sup>

#### 2 Coving

- ASP-creteVS  
1.8 litre/linear metre  
(75mm x 75mm)
- ASP-creteCoat (optional)  
2m<sup>2</sup>/litre (2 coats)

#### 1 Primer is optional

- 6mm ASP-creteSR
- ASP-primeStd or · ASP-cretePrime  
4m<sup>2</sup>/litre                      2m<sup>2</sup>/litre
- ASP-Quartz 1                      · ASP-Quartz 1  
1kg/m<sup>2</sup>                              1kg/m<sup>2</sup>

#### 2 Coating

- ASP-creteSR  
5 litre/m<sup>2</sup> @ 5mm











#### 3 Scatter Aggregate

- ASP-quartz 2or 3  
2 - 3kg/m<sup>2</sup>

#### 4 Seal Coat

- ASP-creteCoat  
2 - 3m<sup>2</sup>/litre

## PRODUCT INFORMATION

PRODUCT CHARACTERISTICS	RESULT
Appearance	Pigmented Matt or Gloss
Standard Colours*	     
Non-standard Colours**	   
Theoretical Coverage	5.0 litre/m <sup>2</sup> depending on thickness selected
Theoretical Coverage / 20.5l Kit	4.1m <sup>2</sup>
Shelf Life	12 months from date of manufacture in unopened original packaging
Storage	Keep at an ambient 10°C – 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 -25°C to 90°C @ 5.0mm. If subject to frequent thermal shock and cycling, a good quality substrate is essential.	
Slip Resistance	BS 7976-2: Pendulum Slip Test	≥ 55 dry / ≥ 40 wet
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	SABS 865:1994	>50 MPa
Flexural Strength	SANS 5864:2006	12 MPa
Tensile Strength	SANS 6253:2006	6 MPa
Bond Strength	Greater than cohesive strength of 25N/mm <sup>2</sup> concrete >1.5N/mm <sup>2</sup>	
Surface Hardness	Schmidt Hammer ASTM C805	40 MPa
Water Permeability	Karsten Test	Nil (Impermeable)
Working Time	10-15 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/mm<sup>2</sup> and a minimum of 1.5N/mm<sup>2</sup> 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 or diamond grinding to remove laitance. Irregularities, small damages and cracks must be repaired with epoxy filler.

Before application of the flooring system, anchor grooves must be cut approximately 6mm deep x 6mm wide for a 6mm system and 9mm deep x 9mm wide for a 9mm system and 25mm on either side of the expansion joints, saw cuts and floor edges.

## APPLICATION

### PRIMER (OPTIONAL)

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/m<sup>2</sup>. When cured, sweep off or vacuum the loose scatter sand.

## 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 1 minute. Slowly add the pigment pack and mix for a further 1 minute to obtain a homogeneous mixture. Add in the Filler C and mix for an additional 2 minutes. Finally, add the Filler D and mix until homogeneous. Ensure 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 10mm precision coating rake, pin-leveller or screed box. Allow to stand for approximately 5 minutes, then roll using a spike roller to help level the screed. Broadcast into the wet screed with the appropriate size scatter sand at 2-3kg/m<sup>2</sup>.

When cured, sweep off or vacuum the loose scatter sand.

## 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-creteRT be cleaned immediately to maintain the appearance and lifespan of the coating. ASP-creteRT 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

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