



The Chemical Company

# MASTERSEAL<sup>®</sup> SP120 PFT

## Amine-cured, pitch free epoxy

### Description

A solvent-free, highly chemical resistant non-carcinogenic coating. In appearance, MASTERSEAL<sup>®</sup> SP120 PFT is smooth and glossy.

### Typical applications

MASTERSEAL<sup>®</sup> SP120 PFT is used to provide a heavy duty protective, waterproof, and flexible coating. Widely used in the application for exterior, below grade, back filling and between slab application.

### Features

- Excellent overall chemical resistance
- Excellent abrasion resistance
- High build coating
- Easy application: brush, roller, spray
- Economical
- Non-carcinogenic and non-toxic
- Seamless finish
- Eco-friendly coating
- Excellent corrosion protection

### Packaging

MASTERSEAL<sup>®</sup> SP120 PFT is supplied in 27kg (18 litres) units.

### Colours

Black

### Solids content

By Volume: 100%

### Theoretical coverage rate

225g/m<sup>2</sup> – 300g/m<sup>2</sup> (150μ - 200μ DFT)

### Dry temperature resistance

A loss of gloss and discolouration may be observed above 80°C.

### Limitations

- Do not use in water immersion over 60°C
- Epoxies lose gloss, discolour and will chalk in direct sunlight exposure.

### Surface and substrate preparation

#### General

Surfaces must be clean and dry. Use suitable methods to remove dirt, dust, oil and all other forms of contamination that could interfere with the adhesion of the coating.

#### Concrete

Concrete should be sound and sufficiently dry to accept Masterseal SP120 PFT. Preferably having less than 5% surface moisture. Mechanically surface profiling is the method of surface preparation. Mechanically profile the surface to CSP3 as described by the International Concrete Repair Institute. Voids and pinholes must be repaired.

#### Steel

Prepare to SSPC-SP6. Surface profile 50-75 micron.



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## Performance data

Physical Characteristics			
Appearance	Black resinous thixotrope		
Mixed Density (kg/L) <b>ASTM D1475</b>	~ 1.5		
	Application Temperature		
	10°C	25°C	40°C
Pot-life - <b>ASTM D 2471</b>	3.5 hrs	60 minutes	40 minutes
Tack-free time - <b>ASTM C 679</b>	7 hrs	5 hrs	2 hr
Touch-free time	13 hrs	9 hrs	5 hrs
<b>Bond strength (7 days) ASTM D 4541 @ 150 µm DFT over concrete</b>	1.90 MPa (Concrete failure)		
<b>Water permeability BS EN 12390 Part 8: 2000 @ 5 bar pressure</b>	Nil		
<b>Abrasion Test (CS17 wheel / 1000g / 1000 cycle) at 7 days ASTM D 4060</b>	33 milligram		

Test reports & additional documentation are available upon request.

### Application

Masterseal SP120 PFT may be applied by airless spray, brush or roller. Please refer to our latest Method Statement for detailed application instructions.

### Storage

Up to 12 months when stored under cover, out of direct sunlight and protected from extremes of temperature.

### Watchpoint

No additions or omissions are required and on no account should attempts be made to split packs. Unsuitable in situations where foodstuffs or potable water will be in contact with the coating.

### Health and Safety

#### Cleanup

Use Solvent #2 in case of spillage, absorb and dispose of in accordance with local applicable regulations.

### Safety

Read and follow all caution statements and on the MSDS for this product. Employ good workmanlike safety precautions. Wear protective clothing, gloves and eye protection.

### Ventilation

When used as a tank lining or in enclosed areas through air circulation must be used during and after application until the application is cured. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.



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## Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

## Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

**As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.**

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