

MASTERSEAL[®] P1801

Phenol Novolac Epoxy Amine Cured Primer

Description

A deep penetrating epoxy primer. For use on concrete and steel with MASTERSEAL[®] 1800 series novolac protective coating systems.

Typical applications

MASTERSEAL[®] P1801 is applied to cementitious and steel substrates where a strong tenacious bond is required.

Features

- Fast curing
- Excellent penetration properties
- May be spray applied
- Excellent overall chemical resistance
- Improves bond of Masterseal systems
- Highlights pinhole & blowhole defects in concrete substrate

Colour

White

Immersion Temperature Resistance

Immersion temperature resistance is dependant upon exposure. Please consult BASF Technical Service for specific information.

Limitations

- Do not use in water immersion over 60°C
- Epoxies loose 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 primer.

*Typical properties

Volume solids	69%
VOC	247 g/L
Mixed density at 25°C	1.15g/cm ³
Pot life	
• 25°C	105 minutes
• 40°C	30 minutes
Recoat Interval	
• 25°C	2 – 10 hours
• 40°C	55 – 80 minutes
Initial cure	24 hours @ 25°C
Final cure	7 days @ 25°C
Bond to concrete	>1.5 MPa

Application

Surface Preparation

Concrete

Concrete must be cured for 28 days. 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

Steel substrates shall be prepared to SSPC-SP6 with a surface profile 50-75 micron.

Mixing

The total contents of the MASTERSEAL[®] P1801 reactor component shall be poured into the MASTERSEAL[®] P1801 base component and mixed, with a slow speed drill and paddle for 2 minutes until a uniform colour is achieved.

Application

MASTERSEAL[®] P1801 may be applied by airless spray, brush or roller. Please refer to our latest Method Statement for detailed application instructions.

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Packaging

MASTERSEAL[®] P1801 is supplied in 4 litre units (4.615kg).

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

Health and safety

Cleanup

Use acetone in case of spillage, absorb and dispose of in accordance with local regulations.

Safety

Read and follow all caution statements and on the MSDS for this product. Employ proper safety precautions: Wear protective clothing, gloves, organic vapour respirators and eye protection. Mixed material should be sprayed or poured out into trays and brushed or rolled before the pot-life of the material. Do not leave mixed quantities beyond 300grams or 200ml to sit for prolonged time or exposed to high temperatures as this can cause exothermic reaction to occur and excessive smoking. If smoking of the product should occur, quickly fill it with sand and remove it to a well ventilated area. Do not breathe in the smoke. Reseal containers after use. For further information, refer to material safety data sheet.

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

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 BASF Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and BASF ESHQ recommendations.

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* Properties listed are based on laboratory controlled tests.

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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