

MASTERSEAL[®] 355

Silane/Siloxane based hydrophobic impregnant

DESCRIPTION

MASTERSEAL 355 is a one component, transparent, penetrating silane/siloxane impregnant. The product reacts chemically with a mineral substrate to form a surface that is repellent to water yet still permeable to water vapour. **MASTERSEAL 355** protects and preserves the substrate without altering the natural surface texture or colour.

RECOMMENDED FOR

MASTERSEAL 355 is recommended for weatherproofing exterior building brickwork, concrete, cement rendered concrete blocks, natural or cast stone etc.

FEATURES AND BENEFITS

- Economical
- Deeply penetrating
- Permeable to vapour
- Inhibits mould growth
- Reduces unsightly staining
- One component, easy to apply
- Easily re-coated
- Protects against rain penetration
- Inhibits chloride ingress
- Reduces risk of efflorescence
- Effective on old and new surfaces
- Helps preserve natural colour and texture

The **MASTERSEAL 355** molecules are very small and highly mobile. The relatively slow solvent evaporation rate at 25°C allows it to enter even the smallest pores.

Its water vapour permeability allows the surface to "breathe" naturally. The application of **MASTERSEAL 355** greatly extends the life and colour retention of brick-work.

MASTERSEAL 355 can be used as an additional priming coat prior to acrylic protection barriers such as **MASTERSEAL 160** against CO₂ and SO₂ attacks.

SPECIFICATIONS

Supply form	liquid
Colour	clear
Density	approx 0.8
Solvents	Liquid hydrocarbons
Flashpoint	approx 36°C
Storage temperature	Below 30°C
Application temperature	Above Dew Point

APPLICATION DIRECTIONS

Substrate Condition

Surfaces should be dry and free from dirt, grit, dust, grease etc. Application to wet substrate will prevent penetration and result in poor adhesion. Paints, form release agents, curing compounds, moss, laitance, algae, etc. must be removed.

Allow at least one month before applying **MASTERSEAL 355** to new concrete or masonry surfaces.

To ensure optimum water repellency for mortar block masonry which has a pitted surface, rub in a colour matching mortar (1 part cement: 2 parts fine sand) modified with **EMACO 168 Primer** and allow to dry for two days before applying **MASTERSEAL 355**.

Repair all cracks and repoint faulty mortar joints prior to application.

Mask glass, asphalt, bitumen and oil painted surfaces. Remove splashes promptly with Mineral Turpentine.

Mixing and Priming

Not required.

Method of Use

Apply direct from container - do not dilute. Wear impervious gloves and goggles during application. Apply by brush or low pressure (approx. 40-70kPa) spray equipment. Flood the surface, don't brush out like paint (causes bubbles or incomplete penetration). Apply evenly with steady strokes over the entire surface. One coat is normally required if application is liberal and thorough and surface is reasonably non porous. On very porous material, it may be necessary to apply a second coat or treat porous surfaces with a cement based paint prior to application of **MASTERSEAL 355**. When applying two coats of **MASTERSEAL 355**, apply wet-on-wet.

Do not apply **MASTERSEAL 355** to concrete surfaces subject to vehicular traffic.

If you require to seal areas subject to traffic, please consult your local BASF technical representative.

MASTERSEAL 355 is invisible once dry - take adequate precautions to ensure entire surface is covered if application is interrupted.

MASTERSEAL 355 is not recommended for application to below ground surfaces subject to hydrostatic pressure.

MASTERSEAL 355 is NOT a cure for rising damp or "salt damp". Other dampcourse treatments must be employed for this.

TOOLS

For application use a brush or low pressure sprayer. Do not use atomising sprayers.



The Chemical Company

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CURING

At 25°C the water repellent properties fully develop in approximately 24 hours.

ESTIMATING DATA

Coverage depends on absorbency and porosity of the substrate. On normal brickwork, coverage is approximately 4m² per litre. On very porous substrates, consumption may be up to 2m² per litre, on only slightly absorbent substrates it may reduce to 6m² per litre per coat. The quantity of material required for the second coat, when required, is approximately half of the quantity required for the first coat.

CLEANING

Tools should be cleaned with Thinner No. 1, mineral turpentine, or white spirit immediately after use.

SHELF LIFE

MASTERSEAL 355 can be stored in tightly sealed original pails for 12 months, if kept dry and at moderate temperatures.

Store away from sources of heat or naked flames.

It is important to reseal containers after use to prevent deterioration of the product by evaporation.

PACKAGING

MASTERSEAL 355 is available in 20 litre pails.

PRECAUTIONS

READ ALL SAFETY DIRECTIONS AND WARNINGS ON PACKAGING BEFORE USE. REFER TO MATERIAL SAFETY DATA SHEET FOR HANDLING PROCEDURES.

MASTERSEAL 355 contains flammable solvents. Ensure adequate ventilation. Do not smoke during application. Avoid the presence of a naked flame, electrical equipment or sparks. Wear and maintain suitable breathing equipment if applying by low pressure spray or working in confined areas.

Keep out of reach of children.

Avoid contact with skin and eyes and avoid breathing its vapour or mist spray. Wear goggles or safety glasses.

In case of poisoning, consult a doctor immediately or the Poisons Information Centre.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to 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 products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

BASF Australia Ltd

A.B.N. 62008437867

Head Office: 11 Stanton Road Seven Hills, NSW 2147

Ph. (02) 8811 4200

Newcastle (02) 4961 3819

Canberra (02) 6280 6010

Brisbane (07) 3633 9900

Townsville (07) 4774 7344

Melbourne (03) 9549 0300

Adelaide (08) 8139 7500

Perth (08) 9366 2600

Darwin (08) 8984 3269

Kalgoorlie 0417 772 355

BASF New Zealand Ltd BASF WEB SITES

Head Office: 45 William Pickering Drive, Albany, Auckland Ph: (09) 414 7233

www.basf-cc.com.au

www.basf-cc.co.nz

www.meyco.basf.com