



The Chemical Company

# MASTERSEAL<sup>®</sup> 352

## Permanent Graffiti Protection for Porous Mineral Building Materials

### Description of Product

MASTERSEAL 352 is an aqueous silane system that makes porous mineral building material surfaces hydro and oleophobic. It is practically free from volatile organic components (VOC). MASTERSEAL 352 provides weather resistant protection which is still water vapour permeable.

MASTERSEAL 352 is ready to use as supplied.

### Fields of Application

MASTERSEAL 352 may be used as a graffiti repellent on mineral building materials such as:

- Concrete
- Brick/clinker
- Sandstone
- Sand limestone
- Mineral-based stucco (with limits)
- Polished marble\* and granite

\*For this treatment priming with Masterseal PM primer is recommended.

The method of application varies according to the type of building material. For more specific information please consult BASF Construction Chemicals (UK) Technical Services Department.

### Features and Benefits

- Repels water, oil and solvent-based paints on porous mineral building materials.
- Penetrates the substrate, rendering it hydro and oleophobic.
- Provides permanent protection: even after repeated cleanings re-application is not required.

### Technical Data/Typical Properties

Appearance	Yellowish, slightly cloudy liquid
PH (20°C, 1:1 in H <sub>2</sub> O)	4
Density (20°C)	Approx. 1.06 g/cm <sup>3</sup> DIN 51757
Viscosity	Approx. 1.6 mPas DIN53015
Flash point	>90 °C EN22719

### Application Procedure

#### Preparation of Substrate

Concrete surfaces must be dry and cleaned to remove all traces of mould oil, curing compounds, dirt, dust, efflorescence, mould, algae, grease, oil asphalt, paint, lacquers, or other coatings or any other materials that would prevent penetration.

Acceptable cleaning methods include shotblasting, high pressure water blasting, or grinding.

All delaminated, loose or spalled concrete must be removed and repaired with an approved product from the Emaco<sup>®</sup> Nanocrete or other approved Concrete Repair range.

Any repairs must be allowed to cure before treatment.

Protect adjacent surfaces, such as window frames, glass, painted or unpainted surfaces, plants and soil, with appropriate materials such as plastic sheeting.

#### Mixing

MASTERSEAL 352 is ready to use as supplied.

#### Application method

MASTERSEAL 352 is applied by HVLP (high volume low pressure) spray equipment, in one or more coats to achieve the correct coverage for the substrate being treated. A suitable nozzle size is between 1.3mm to 1.5 mm.

#### First coat

The first coat, for vertical surfaces, should be applied from bottom to top, to prevent excess run off down the substrate. Brush in any large droplets that form on the surface.

Allow the surface to completely dry. This will depend on the temperature and weather condition at the time, but will typically be between 10 minutes and one hour after application.



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#### Second coat

Apply the second coat using a HVLP system. Fine droplets will form on the surface and the substrate will maintain a dry appearance. The fine droplets must be brushed into the surface using a large brush, before they dry to ensure an even distribution of coating. The surface of the substrate should appear bright and wet.

Repeat this process for subsequent coats.

Please note on some substrates a primer may be required.

#### Graffiti cleaning

Graffiti paint should be removed using MASTERSEAL 352 CLEANER, which has a viscous gel consistency. Apply MASTERSEAL 352 CLEANER to the affected area at 400g/m<sup>2</sup> and leave in contact with the paint for 15- 30 minutes. Do not allow the MASTERSEAL 352 CLEANER to dry out on the surface.

Remove the dissolved paint with water using a high pressure cleaner ( maximum 12 bar) .

Several applications of MASTERSEAL 352 CLEANER may be required.

Bitumen based coatings may require the additional application of a specialist bitumen cleaner.

#### Coverage

Coverage will depend on the substrate that is being treated but will not exceed 200g/m<sup>2</sup>.

As a guide Masterseal 352 may be applied at a rate of 100 - 150 g/m<sup>2</sup> on concrete, in 2-3 coats. Application is dependent upon the substrate that is being treated. Further advice is available from BASF Construction Chemicals Technical Services Department.

It is recommended that a test panel is undertaken to confirm application rates and coated surface appearance before applying materials to large areas.

#### Curing/After Treatment

Protect from rain for two hours after application

#### Cleaning

Clean all tools and equipment as soon as possible after use

#### Packaging

MASTERSEAL 352 is supplied in 25 litre plastic lined drums.

#### Storage

Containers must be tightly sealed and protected from moisture. The product should be stored at temperatures between 5 to 40°C and protected from frost.

#### Shelf Life

Provided that moisture is excluded, MASTERSEAL 352 has a shelf life of more than 12 months.

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#### Health and Safety

\*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

#### Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

#### Spillage

Chemical products can cause damage; clean spillage immediately.

#### Disclaimer:

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