

# MasterSeal® 611

High solids protective coating and curing membrane based on emulsified bitumen

## DESCRIPTION

**MasterSeal 611** is a water-based bitumen emulsion. It is dark brown in colour and dries to a black flexible protective coating which also acts as a curing compound. The finished film is tough and waterproof and forms a barrier to water and vapour transmission.

A blend of selected asphalts and bitumens emulsified in water.

## TYPICAL APPLICATIONS

- General waterproofing and damp proofing of concrete, asbestos cement, roofing felt, slate tiles, wood, etc.
- Metal protection: provides protection for structural steelwork, pipes, etc.
- Insulation: provides a vapour barrier for cold storage rooms, etc.
- Protection to a variety of buried structures such as concrete foundations and retaining walls.
- As a curing compound onto green concrete.
- As a primer for most bitumen membranes.

## ADVANTAGES

- Chemical resistance
- Versatile
- Economical
- Easy to apply
- Cold applied

## PACKAGING

**MasterSeal 611** is available in 200 L drums.

## STANDARDS

ACI 515 IR-79. Guide to use of waterproofing, damp proofing, protecting and decorative barrier systems for concrete. Chapter 2 Section 2.1.1, 2.1.2., 2.1.3.  
ASTM C309.

## TYPICAL PROPERTIES\*

Flashpoint	Non-flammable
Solid content ASTM D2939	>45%
Specific gravity @ 25°C	1.00
Application temperature	5°C to 50°C
Service temperature	-10°C to 85°C (depending on operating conditions)
Chemical resistance	Excellent to water, dilute acids, alkalis, chloride and sulphate ions
Flexibility	Provides a firm flexible coating

## APPLICATION GUIDELINES

### SURFACE PREPARATION

Ensure surface to be treated is sound and free of all oil, grease or conventional curing compounds.

**MasterSeal 611** can be applied directly as a protection to concrete surfaces cured utilising non-degradable curing compounds such as **MasterKure 181**.

If the surface is dusty it should be primed with a coat of **MasterSeal 611** diluted with an equal quantity of clean water and allowed to dry, before applying further coats of **MasterSeal 611**. **MasterSeal 611** can be applied to damp surfaces.

### Performance

- **MasterSeal 611** will act as a curing compound when applied to green concrete. Apply immediately when formwork is removed.
- Will act as a primer for most bitumen-based membranes.
- Concrete coated with **MasterSeal 611** will prevent the absorption of saline solutions. On uncoated surfaces, salts in groundwater will penetrate and can cause reinforcement corrosion and concrete deterioration.

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## PLACING / APPLICATION

**Agitate before use. As settlement can occur, the drum should be rolled before decanting material.**

Apply by brush, broom or squeegee. Apply one or two coats, depending on the degree of protection required. Apply subsequent coats at right angles to the first, allowing 12 to 24 hours between coats. Where being utilised to damp proof solid floors or where a screed is to be applied over

**MasterSeal 611**, apply a second coat at right angles and lightly grit to form a key. Allow at least 24 hours before application of concrete screed, ensuring this is greater than 60 mm in thickness.

## CLEANING

After use, if the **MasterSeal 611** has not dried, it may be possible to clean tools using soapy water. If the **MasterSeal 611** has dried remove as much as possible by physically scraping and then remove remainder with paraffin, white spirit or a suitable thinner (Xylene / MEK / Acetone).

## COVERAGE / YIELD

2-6 m<sup>2</sup> / L / coat depending on use and substrate porosity.

## STORAGE AND SHELF LIFE

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. As with all bituminous emulsions, some settlement will occur with prolonged storage. It is, therefore, necessary to invert the drums monthly to disperse the settlement.

The shelf life is 12 months in unopened containers, when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions Technical Services Department.

## HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation. For further information refer to the material safety data sheet.

## QUALITY AND CARE

All products originating from Master Builders Solutions 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 and ISO 14001.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY

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## NOTE

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