

MasterSeal 620

A bitumen / rubber latex emulsion. Surface applied, flexible, damp and vapour-proof liquid membrane.

MATERIAL DESCRIPTION

MasterSeal 620 is a brown rubber/bitumen liquid emulsion with excellent adhesion which dries to a tough black seamless, flexible dampproof and vapour-proof membrane.

PRIMARY USES

- Damp-proofing structures: to provide an impervious damp-proof membrane on concrete and brick.
- Floors: to provide a sandwich membrane in new construction or a surface treatment.
- Walls: for interior and exterior walls.
- Roofs: for the maintenance of many types of roofs including built-up felt, asphalt, lead, zinc, aluminium, concrete, lightweight screeds, timber, slate, asbestos cement, corrugated iron, and as a vapour barrier.
- As an adhesive: for bonding wood blocks and wood mosaics, insulation board, expanded polystyrene and cork tiles and to provide a key for plastering.

COMPOSITION

MasterSeal 620 is a thixotropic cold applied bitumen emulsion with added rubber latex.

PACKAGING

MasterSeal 620 is supplied in 20 litre and 200 litre containers.

STANDARDS

- The Building Regulations 1972.
- DOE 23 - Damp proof courses.
- DOE 77 - Adhesives used in buildings.
- BRE Digest 54 - Damp proofing solid floors.

TYPICAL PROPERTIES*

Colour	Dark brown
Density	Approx. 1kg/litre @ 25°C
Coverage	1 – 4.5m ² / litre
Flashpoint	Non-Flammable
Service Temperature	-30°C to +100°C
Application Temperature	+5°C to 55°C
Rubber Content	10% in the dried film
VOC	Nil

APPLICATION PROCEDURE

MasterSeal 620 may be applied by brush or squeegee. All surfaces to which **MasterSeal 620** is applied must be sound, stable with an even finish and free from dirt, dust, loose debris, grease etc. It may be applied to damp but not waterlogged surfaces. Hot, very dry or porous surfaces should be dampened with a priming coat before **MasterSeal 620** is applied. Where subsequent coats are to be applied, the first coat must be dry.

Below Ground Protection:

MasterSeal 620 may be applied to green concrete immediately after shuttering has been removed. Blind the first coat with clean sharp sand to afford higher dry film thickness and aid monitoring layer applications.

Sandwich Membrane:

Two coats to be applied at right angles, blind second coat with clean sharp sand to provide a mechanical key for top screed (minimum thickness 50mm). **MasterSeal 620** membrane should marry up with D.P.C. (where applicable).

Walls with Dampness:

Remove any coatings and plaster back to the blockwork. Apply three coats of **MasterSeal 620** blinding the final layer with clean sharp sand whilst still tacky. Replaster using a render modified with **MasterCast 141**.

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Curing / Drying:

- **MasterSeal 620** will take longer to dry sufficiently for over-coating in low temperatures and high humidity.
- Provisions of good ventilation will significantly reduce drying time.
- When testing for watertightness by means of ponding water on the internal face, the **MasterSeal 620** should be allowed to dry for 7 days.
- Where **MasterSeal 620** is not pond tested, it should be allowed to dry for 3-5 days before backfilling.

Equipment Care:

Before **MasterSeal 620** has dried, clean tools using soapy water. If dried, remove by scraping and with paraffin or white spirit.

SPECIFICATION CLAUSE

MasterSeal 620: All areas indicated shall receive 2 or 3 coats as recommended of a high build rubber/ bitumen emulsion such as **MasterSeal 620** as manufactured by Master Builders Solutions, or similar approved.

SAFETY PRECAUTIONS

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 immediate medical attention. Reseal containers after use.

STORAGE

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 bitumen emulsions, some settlement will occur with prolonged storage. It is, therefore, necessary to invert drums every other week to disperse the settlement.

Shelf life is up to 1 year, 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.

COVERAGE

Use	Number of Coats	m ² / litre		
		1 st Coat	2 nd Coat	3 rd Coat
Priming coat: (when required) Diluted with six parts water	1	7.50		
Damp-proofing and protective coating of structures: Bridge abutments, retaining walls, culverts, concrete or brick foundations, concrete columns and beams.	2	2	2.25	
Floors: sandwich membrane surface treatment	2	1.50	1.50	
	2	2.00	2.00	
Walls: interior and exterior	3	2.25	2.25	2.25
Roofs (with reinforcing scrim) felt, asphalt, lead, zinc, aluminium, concrete, timber, slate or corrugated roofs.	3	1	1.50	1.50
Vapour barrier.	2	1	1.50	
Adhesive: wood blocks, wood mosaics insulation board, expanded polystyrene, cork slabs.	1	1.50		
Plastering on difficult surfaces	2	4.50	4.50	

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NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

MB Construction Chemicals Solutions South Africa (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions South Africa (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

* Properties listed are based on laboratory controlled tests.

DISCLAIMER

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