

MasterSeal® 622

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

DESCRIPTION OF PRODUCT

MasterSeal 622 is a brown rubber/bitumen liquid emulsion with excellent adhesion, which dries to a tough black seamless, flexible waterproof and vapour-proof membrane.

MasterSeal 622 has excellent resistance to water, diluted acids and alkalis, chloride and sulphate ions.

PRIMARY USES

- Foundation for tanks and waterproofing structures: to provide an impervious waterproof 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.
- General damp proofing of concrete foundations that are in contact with groundwater

COMPOSITION

MasterSeal 622 is a thixotropic cold applied bitumen emulsion with added rubber latex.

PACKAGING

MasterSeal 622 is available in 200kg drums.

TYPICAL PROPERTIES

Colour:	Dark brown
Specific gravity:	1.050–1.150 @ 25°C
Coverage:	1–4.5m ² /kg
Flashpoint:	Non flammable
Service temperature:	-30°C to +100°C
Dry film thickness:	0.86mm at 2kg/m ²
Application temperature:	+5°C to 55°C
Rubber content:	10% in the dried film

STANDARDS

- The Building Regulations 1972
- BS 8102 - Protection of structures against water from ground
- DOE 23 - Damp proof courses
- DOE 77 - Adhesives used in buildings
- BRE Digest 54 - Damp proofing solid floors
- ASTM D1227, Type 3, Class 1

APPLICATION PROCEDURE

MasterSeal 622 may be applied by brush or squeegee. All surfaces to which **MasterSeal 622** 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 622** is applied. Where subsequent coats are to be applied, the first coat must be dry.

BELOW GROUND PROTECTION:

MasterSeal 622 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 to give a D.F.T. of 770 microns in accordance with BS 8102. Blind second coat with clean sharp sand to provide a mechanical key for top screed (minimum thickness 50mm).

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COVERAGE

Use	No. of coats	1st coat	2nd coat	3rd coat
Priming coat: (when required) Diluted with six parts water	1	7.50		
Waterproofing 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	2	1.50	1.50	
Surface treatment	2	2.00	2.00	
Roofs (with MASTERFLEX scrim) felt, asphalt, lead, zinc, aluminium, concrete, timber, slate or corrugated roofs. Vapour barrier.	3	1	1.50	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	

EQUIPMENT CARE

Before **MasterSeal 622** has dried, clean tools using soapy water. If dried, remove by scraping and clean with paraffin or white spirit.

SPECIFICATION CLAUSE MASTERSEAL 622:

All areas indicated shall receive 2 or 3 coats, as recommended, of a high build rubber/bitumen emulsion, such as **MasterSeal 622**, as manufactured by Master Builders Solutions, or similar approved.

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.

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's Technical Services Department.

SHELF LIFE

Up to 6 months if stored according to manufacturer's instructions in unopened containers.

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. Re-seal containers after use.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information, contact your local Master Builders Solutions representative.

Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods.

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QUALITY STATEMENT

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world- wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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