

# MasterSeal<sup>®</sup> 621

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

## DESCRIPTION

**MasterSeal 621** is a brown rubber/bitumen liquid emulsion with excellent adhesion which dries to a tough black seamless, flexible damp-proof and vapour-proof membrane.

**MasterSeal 621** is a thixotropic cold applied bitumen emulsion with added rubber latex.

## TYPICAL APPLICATIONS

- Tanking and damp-proofing structures: to provide an impervious damp-proof membrane on concrete and brick.
- Finishes: 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.

## PACKAGING

**MasterSeal 621** is supplied in 200 litre containers.

## STANDARDS

Fire Classification - BS EN ISO 11925 Part 2 / BS EN 13501 Part 1:2007 + A1:2009

## TYPICAL PROPERTIES\*

Colour	Dark brown
Density @ 25°C	Approx. 1 kg/litre
Flashpoint	Non flammable
Service temperature	-30°C to +100°C
Application temperature	+5°C to 55°C
Rubber content	Min 10% in the dried film
VOC	<1 g/L

## APPLICATION GUIDELINES

**MasterSeal 621** may be applied by brush or squeegee. All surfaces to which **MasterSeal 621** 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 621** is applied. Where subsequent coats are to be applied, the first coat must be dry.

## BELOW GROUND PROTECTION

**MasterSeal 621** 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 621** 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 **MasterSeal 621** binding the final layer with clean sharp sand whilst still tacky. Replaster using a render modified with **MasterCast 141**.

## CURING / DRYING

- MasterSeal 621** will take longer to dry sufficiently for over-coating in low temperatures and high humidity.
- Provisions of good ventilation will significantly reduce drying time.
- MasterSeal 621** should allowed to dry for 3-5 days.

## SPECIFICATION CLAUSE

All areas indicated shall receive 2 or 3 coats as recommended of a high build rubber/ bitumen emulsion such as **MasterSeal 621** as manufactured by Master Builders Solutions, or similar approved.