

MasterSeal 700 BG

Synthetic membrane of plasticised PVC

MATERIAL DESCRIPTION

MasterSeal 700 BG is a synthetic membrane made of plasticised PVC manufactured by twin coloured co-extrusion method.

TYPICAL APPLICATIONS

MasterSeal 700 BG can be applied in the following circumstances:

- Below ground building structures.
- Tunnels.
- Water exclusion and protection of structures.

ADVANTAGES

- Superior mechanical characteristics.
- Signal layer shows damage and aids visual inspection on-site.
- High mechanical resistance and elasticity.
- Long life expectancy.
- Resistance to wash-out action.
- Resistance to root penetration.
- Resistance to bursting at high water pressure.
- Double weld allows pressure testing of joints.
- May be welded to **MasterSeal 941** water stop to compartmentalise the structure.
- Loose laid to act independently of structural movement.

PACKAGING AND ROLL SIZE

MasterSeal 700 BG is supplied in various thickness with 2.10 meter width. Lengths can be manufactured to suit specific requirements but is generally 20 meters.

Thickness (mm)	1.5	2.0	2.2	3.0
Width (m)	2.10	2.10	2.10	2.10
Length (m)	25	20	20	20
Colour	Green / Black			

APPLICATION PROCEDURE

Usually applied by a Specialist Applicator. Please contact Master Builders Solutions for specific application assistance.

STORAGE

Store out of direct sunlight, clear of the ground and on pallets.

WATERTIGHT SYSTEMS & ENGINEERED SOLUTIONS

Master Builders Solutions provides systems and engineered solutions, to suit the structure, at the design and construction stages, to ensure water tightness. Various products and elements which form an integral part of a system are manufactured and approved by Master Builders Solutions.

The following ranges of products are available:

- MasterSeal range - Active and passive joint treatment preformed membranes
- MasterSeal range - Liquid applied membranes and protective coatings
- MasterFlow range - High performance grouts
- MasterEmaco and MasterBrace ranges - Repair materials.

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.

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PHYSICAL / CHEMICAL PROPERTIES*

Thickness UNI EN 1849 - 2	1.5mm (± 5%)	2.0mm (± 5%)	2.2mm (± 5%)	3.0mm (± 5%)
Specific weight UNI EN 1849 - 2	1.950 kg/m ² (± 5%)	2.600 kg/m ² (±5%)	2.860 kg/m ² (±5%)	3.900 kg/m ² (± 5%)
Ultimate Tensile strength UNI EN ISO 527-3 Transverse Machine direction	>14 N/mm ² >15 N/mm ²	>14 N/mm ² >15 N/mm ²	>14 N/mm ² >15 N/mm ²	>14 N/mm ² >15 N/mm ²
Elongation UNI EN ISO 527 – 3 Transverse Machine direction	280% 280%	280% 280%	280% 280%	280% 280%
Dynamic puncture resistance DIN 16726- 5.12	≥ 1000 mm	≥ 1100 mm	≥ 1200 mm	≥ 1800 mm
Cold bending UNI EN 495 - 5	≤ -25°C	≤ -25°C	≤ -25°C	≤ -25°C
Hydrostatic pressure resistance (6 hours at 5 bar) UNI EN 1928 meth. B	Waterproof	Waterproof	Waterproof	Waterproof
Tear resistance ISO 34 Specimen Fig 2	≥ 45 N/mm	≥ 45 N/mm	≥ 45 N/mm	≥ 45 N/mm
Resistance to static punching (CBR) UNI EN ISO 12236	≥ 1700 N	≥ 2200 N	≥ 2300 N	≥ 3400 N
Resistance to oxidation UNI EN 14575 Tensile strength variation	< 25%	< 25%	< 25%	< 25%
Root resistance CEN TS 144416	No penetration	No penetration	No penetration	No penetration

For fully adhered applications please contact our technical department.

DISCLAIMER

The technical information and application advice given in this MB Construction Chemicals Solutions South Africa (Pty) Ltd publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.