

MasterSeal® 700BG

Synthetic membrane of plasticised PVC

DESCRIPTION

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

TYPICAL APPLICATIONS

MasterSeal 700BG 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 950** water stop to compartmentalise the structure
- Loose laid to act independently of structural movement

PACKAGING AND ROLL SIZES

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

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

APPLICATION PROCEDURE

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

WATERTIGHT SYSTEMS & ENGINEERED SOLUTIONS

Master Builders Solutions Construction Chemicals provide systems and engineered solutions, to suit the structure, at the design and construction stages, to ensure watertightness. 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

STORAGE

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

MasterSeal® 700BG

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	300% (± 5%) 300% (± 5%)	300% (± 5%) 300% (± 5%)	300% (± 5%) 300% (± 5%)	300% (± 5%) 300% (± 5%)
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 14416	No penetration	No penetration	No penetration	No penetration

For fully adhered applications please contact our technical department.

NOTE

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

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

QUALITY AND CARE

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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