

MasterSeal® 700 BG (Formerly known as Masterpren® BG)

Synthetic Membrane of Plasticised PVC

DESCRIPTION OF PRODUCT

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

FIELDS OF APPLICATION

MasterSeal® 700 BG can be applied in the following circumstances:

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

FEATURES AND BENEFITS

- 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.

TECHNICAL DATA

Thickness UNI EN 1849-2	1.5 mm (±5%)	2.0 mm (±5%)	2.2 mm (±5%)	3.0 mm (±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 method B	Waterproof	Waterproof	Waterproof	Waterproof
Tear resistance ISO 34 Specimen Fig 2	≥ 45N/mm	≥ 45N/mm	≥ 45N/mm	≥ 45N/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 DIN 4062	No penetration	No penetration	No penetration	No penetration

APPLICATION PROCEDURE

Synthetic waterproofing membranes applications should be done by approved applicators. For the further information please apply application manual.

PACKAGING AND ROLL SIZES

Thickness (mm)	1,5	2,0	2,2	3,0
Width (m)	2,10	2,10	2,10	2,10
Length (m)	20	20	20	20
Colour	Green, Black			

COVERAGE

In order to calculate total consumption of synthetic waterproofing membranes, it must be added quantity of 5% overlapping and 2-5% of loss depending upon the project conditions on the total application area.

STORAGE

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

SHELF LIFE

No shelf life limitation under appropriate storing conditions.

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HEALTH AND SAFETY PRECAUTIONS

Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application. Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application. If such a contact occurs, it must be washed by soap and plenty of water. Consult a physician urgently if swallowed. Food and drink must be kept outside the application areas. Must be stored away from children. Please look at the Material Safety Data Sheet for detailed information.

DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

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