

MasterSeal[®] 701FT

Synthetic membrane of plasticised PVC

DESCRIPTION

MasterSeal 701FT is a synthetic single layer membrane of plasticised PVC manufactured by co-extrusion, using plasticised polymers which are resistant to hydrocarbons.

TYPICAL APPLICATIONS

MasterSeal 701FT can be applied in the following circumstances:

- Environmental protection of drains and water reservoirs contaminated with hydrocarbons
- Environmental containment

ADVANTAGES

- Superior mechanical characteristics
- High mechanical properties and resistance to puncturing
- Rot-proof
- High resistance to chemicals and hydrocarbons
- Resistant to root penetration
- Long life expectancy

PACKAGING AND ROLL SIZES

MasterSeal 701FT is a black membrane and is supplied in various thickness with 2.10 meter width and in lengths of 20 meters.

Thickness (mm)	1.5	1.8	2.0
Width (m)	2.10	2.10	2.10
Length (m)	20	20	20
Colour	Black		

APPLICATION GUIDELINES

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 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 and 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® 701FT

PHYSICAL / CHEMICAL PROPERTIES*

Thickness UNI EN 1849 – 2	1.5 mm	1.8 mm	2.0 mm
Specific weight UNI EN 1849 - 2	1.80 Kg/m ²	2.15 Kg/m ²	2.40 Kg/m ²
Tensile strength UNI EN 12311 - 2	≥ 17.5 N/mm ²	≥ 17.5 N/mm ²	≥ 17.5 N/mm ²
Elongation to break UNI EN 12311 - 2	≥ 300%	≥ 300%	≥ 300%
Puncture resistance DIN 16726 - 5.12	≥ 800 mm	≥ 900 mm	≥ 1100 mm
Tear resistance UNI EN 12310 – 2	≥ 120 N	≥ 145 N	≥ 160 N
Cold bending UNI EN 495 – 5	≤ -25°C	≤ -25°C	≤ -25°C
Hydrostatic pressure resistance (6 hours at 5 bar) UNI EN 1928 met. B	Waterproof	waterproof	Waterproof
Dimensional stability after 6 hours at 80°C UNI EN 1107 - 2	≤ ± 2.0 %	≤ ± 2.0 %	≤ ± 2.0 %
Root resistance DIN 4062	No penetration	No penetration	No penetration
Thermal ageing in air after 168 d at 70°C Cold Bending UNI EN 1296	≤ - 25 °C	≤ - 25 °C	≤ - 25 °C
Peel resistance of joints UNI EN 12316 - 2	≥ 150 N/50 mm	≥ 150 N/50 mm	≥ 150 N/50 mm
Shear resistance of joints UNI EN 12317 - 2	Breaking out of joint	Breaking out of joint	Breaking out of joint
Resistance to impact UNI EN 12691	10 mm	10 mm	10 mm
Resistance to static punching UNI EN 12316	> 20 kg	> 20 kg	> 20 kg

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational Health & Safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

Master Builders Solutions
Construction Chemicals LLC
 P.O. Box 37127, Dubai, UAE
 Tel: +971 4 8090800
www.master-builders-solutions.com/en-ae

Disclaimer: the TUV mark relates to certified management system and not to the product mentioned on this datasheet



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