

# MasterSeal<sup>®</sup> 701 FT (Formerly known as Masterpren<sup>®</sup> HR)

## Synthetic Membrane of Plasticised PVC

### DESCRIPTION OF PRODUCT

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

### FIELDS OF APPLICATION

MasterSeal<sup>®</sup> 701 FT can be applied in the following circumstances:

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

### FEATURES AND BENEFITS

- 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.

### 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	1,8	2,0
Width (m)	2,10	2,10	2,10
Length (m)	20	20	20
Colour	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.

### 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.

### TECHNICAL DATA

Thickness UNI EN 1849-2	1,5 mm	1,8 mm	2,0 mm
Specific Weight UNI EN 1849-2	1,80 kg/m <sup>2</sup>	2,15 kg/m <sup>2</sup>	2,40 kg/m <sup>2</sup>
Tensile Strength UNI EN 12311-2	≥ 17,5 N/mm <sup>2</sup>	≥ 17,5 N/mm <sup>2</sup>	≥ 17,5 N/mm <sup>2</sup>
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	≥120 N	≥120 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.	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
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 Static Punching UNI EN 12316	≥ 20 kg	≥ 20 kg	≥ 20 kg

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**MasterSeal<sup>®</sup> 701 FT** Technical Data Sheet -Revision  
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