

MasterSeal[®] 707ST

Synthetic membrane of plasticised PVC

DESCRIPTION

MasterSeal 707ST is a synthetic membrane made of plasticised PVC manufactured by twin coloured (green/black) co-extrusion method to give visual indication when damage occurs, and has a structured surface.

TYPICAL APPLICATIONS

MasterSeal 707ST can be applied in the following circumstances:

- Below ground building structures
- Tunnels
- Water exclusion and protection of structures
- Used in a vacuum system as a second waterproofing layer

ADVANTAGES

- Superior mechanical characteristics
- High mechanical resistance and elasticity
- Long life expectancy
- Resistance to wash-out action
- Resistance to root penetration
- Resistance to bursting at high water pressure
- Can be welded to **MasterSeal 953** for vacuum and resin injection
- Loose laid to act independently of structural movement
- Dimpled finish to aid resin flow

PACKAGING AND ROLL SIZES

MasterSeal 707ST is supplied in various thickness with 2.05 meter width. Lengths can be manufactured to suit specific requirements but is generally 20 meters.

| | |
|-----------|-------|
| Thickness | 2.4mm |
| Width | 2.05m |
| Length | 20m |

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 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® 707ST

PHYSICAL / CHEMICAL PROPERTIES*

| | |
|---|------------------------|
| Thickness EN 1849-2 | 2.4mm |
| Surface | Structured |
| Specific weight EN 1849-2 | 3.150kg/m ² |
| Tensile strength EN ISO 527-3 | ≥ 14N/mm ² |
| Elongation to break EN 527-3 | ≥ 250% |
| Impact strength DIN 16726 – 5.12 | ≥ 1100mm |
| Cold Bending EN 495-5 | ≤ -25°C |
| Hydrostatic pressure resistance (6 hours at 0.5 Mpa) EN 1928 method B | Impermeable |
| Resistance to perforation by roots DIN 4062 | No perforation |
| Tear resistance EN 12310-2 | ≥ 80N/mm |
| Tear resistance ISO 34 specimen 2 | ≥ 45N/mm |
| Resistance to static punching (CBR method) EN ISO 12236 | ≥ 2700N |
| Resistance to oxidation : - variation in tensile properties EN 14575 | < 25% |

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.

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



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