

MasterSeal[®] 754 SB

Post-applied FPO waterproofing membrane for below ground structures

DESCRIPTION

MasterSeal 754 SB is a post-applied sheet membrane waterproofing system consisting of a highly flexible polyolefin membrane with self-adhesive backing. This unique system provides a durable bond, which is created when the self-adhesive backing is completely adhered to the correctly cleaned and prepared surface of the substructure. **MasterSeal 754 SB** is a cold applied and post-applied product, as it is installed without heat or open flames to existing structures.

TYPICAL APPLICATIONS

MasterSeal 754 SB is suitable for:

- Below ground substructure walls
- Residential and industrial buildings such as housing, commercial, leisure facilities, manufacturing plants and warehouses
- Engineered structures, such as retaining walls, tunnel galleries, potable water tanks, wastewater storage treatment structures and tanks

ADVANTAGES

MasterSeal 754 SB offers the following benefits:

- Provides time and labour saving
- Fast installation: layout, jointing and detailing
- Weather resistant with temporary UV-stability during installation
- Resistant to aggressive mediums in soil
- Crack bridging ability
- Overlapping areas are self-adhesive. No need for any extra tape to overlap
- High elasticity at low temperatures
- It is resistant to 5 bar water pressure
- High mechanical impact resistance
- Wide application temperature range: 5°C to 30°C
- Low permeation rate to Methane
- Low transmittance rate to Radon

PACKAGING AND COLORS

MasterSeal 754 SB is supplied as 1.6mm thick, width of 1 m and length of 20 m and available in Grey membrane / Black fleece.

TYPICAL PROPERTIES

Properties	Result
Density	850 g/m ² ±75 g/m ²
Resistance to temperature	-30°C to 60°C
Tear resistance (lengthwise) DIN EN 12311-2 Method A	400 N/50mm ≥300 N/50mm
Tear resistance (across) DIN EN 12311-2 Method A	340 N/50mm ≥250 N/50mm
Elongation at break longitudinal DIN EN 12311-2 Method A	90% ≥75%
Elongation at break lateral DIN EN 12311-2 Method A	120% ≥85%
Tear resistance (nail shank) DIN EN 12310-1	370 N ≥300 N
Tear resistance (nail shank) DIN EN 12310-1	380 N ≥300 N
Water vapour permeability DIN EN 1931 Method B	60 m ≥40 m
Water tightness DIN EN 1928-A - 60kPa/24 Std.	Watertight
Water tightness DIN EN 1928-A - 400kPa/72 Std.	Watertight
Water migration test (non-woven area)	Maximum 5-bar
Sub-straight application temperature range	5°C to 30°C
Methane permeability – ISO 15105-2:2003	39.8 ml/m ² .day.atm
Radon transmittance (P) – RISE SP Method 3873	2.0x10 ⁻⁸ m/s
Reaction to fire DIN ISO 11925-2, EN 13501-1	Class E
Chemical resistance	Resistant to a wide range of chemicals

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APPLICATION GUIDELINES

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

Note: MasterSeal 754 SB does not have UV resistance. The membrane can be exposed during the application of 3 months.

COVERAGE

In order to calculate total consumption of synthetic waterproofing membranes, it must be added quantity of 10% overlapping and 2-3% of loss depending upon the project conditions on the total application area.

STORAGE AND SHELF LIFE

Store in original sealed packaging and at temperatures between 5°C and 30°C. Store in horizontal position, on dry conditions and protect from extremes of temperature. The shelf life is 12 months in unopened containers, when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult Master Builders Solutions Technical Department.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Proper respiratory protection should be used when spraying such materials. Treat splashes to eyes and skin immediately.

If accidentally ingested, seek immediate medical attention. Keep away from children & animals. Reseal containers after use. For further information, refer to material safety data sheet.

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.

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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

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