

MasterSeal 754

Pre-applied FPO waterproofing membrane for below ground concrete structures

DESCRIPTION

MasterSeal 754 is a pre-applied sheet membrane waterproofing system consisting of highly flexible polyolefin membrane and a designed non-woven fleece. This unique system provides a durable mechanical bond, which is created when the fleece is completely adhered to the fresh concrete. MasterSeal 754 is cold applied and pre-applied, as it is installed without heat or open flames and before the steel reinforcement is placed and the concrete is poured.

FIELDS OF APPLICATION

MasterSeal 754 is suitable for:

- Below grade concrete slabs
- Below grade walls with both single (blindsided forming) and double-faced formwork (open cut)
- For prefabricated construction
- 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, waste water storage treatment structures and tanks

FEATURES AND BENEFITS

MasterSeal 754 offers the following benefits:

- No need for protection screed.
- Provides time and labour saving.
- Fast installation: layout, jointing and detailing.
- Weather resistant with temporary UV-stability during installation.
- No lateral water migration in the event of damage.
- 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.
- Low permeation rate to Methane
- Low transmittance rate to Radon

APPLICATION PROCEDURE

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

Note: MasterSeal 754 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.

PACKAGING

MasterSeal 754 is supplied as 1.6mm thick, width of 1.0 meters and length of 20 meters.

CONTACT DETAILS

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Product Data	
Appearance:	Grey membrane / Black fleece
Total weight:	850g/m ² ±75g/m ²
Resistance to temperature:	-30°C to 60°C
Tear resistance (length-wise) DIN EN 12311-2 Method A:	400N/50mm ≥300N/50mm
Tear resistance (across) DIN EN 12311-2 Method A:	340N/50mm ≥250N/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:	370N ≥300N
Tear resistance (nail shank) DIN EN 12310-1:	380N ≥300N
Water vapour permeability DIN EN 1931 Method B:	60m ≥40m
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
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
Logistics	
Shelf life:	12 months if stored according to manufacturer's instructions in unopened, undamaged, original packaging.
Storage conditions:	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. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Handling and transportation:	Refer to MasterSeal 754 Safety Data Sheet
Disposal:	Refer to MasterSeal 754 Safety Data Sheet

MasterSeal 754, Master Builders Solutions UK Ltd, Version 2

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Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Spillage

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

"Master Builders Solutions UK Ltd" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.