

MasterSeal® 730 PA

Pre-Applied Waterproofing Membrane for below grade waterproofing

DESCRIPTION

MasterSeal 730 PA is a HDPE membrane treated with unique pressure sensitive adhesive to enable good adhesion with concrete surfaces

MasterSeal 730 PA forms a unique integral seal around the concrete poured against it. **MasterSeal 730 PA** remains fully adhered to concrete helping retain its performance even there is ground settlement beneath the slabs

RECOMMENDED USES

MasterSeal 730 PA is intended for use in below grade waterproofing applications such as basements with high water table and cut & cover tunneling.

FEATURES AND BENEFITS

- **Fully Adhered to Poured Concrete** – Prevents water migration
- **Unaffected by wet conditions** – Enables application in High water table areas
- **Unaffected by Contamination** – Does not require any special protection during construction
- **Simply and Easy to Install** – Does not require special welding techniques
- **Chemically resistant** – Can be used in all Soil and Subsoil conditions
- **Fully adhered watertight laps** – Ensures water tightness

PERFORMANCE DATA

Elongation (%) ASTM D 412	≥500%
Tensile Strength ASTM D 412	≥25 MPa
Puncture Resistance ASTM E 154 Modified	≥1000N
Peel Adhesion to Concrete ASTM D 903 Modified	≥2400N/mm
Low Temperature Flexibility ASTM D 1970	Unaffected at -25°C

Resistance to Hydrostatic Head ASTM D 5385 Modified	≥70m
Storage in Aqueous Solutions as per DIN 16726	
Tensile Strength Retention	≥90%
Puncture Resistance Retention	≥90%
Elongation Retention	≥90%

The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

PROPERTIES

MasterSeal 730 PA	
Thickness	1.2mm
Width	1.2M
MasterSeal 936¹	
Thickness	0.3mm
Width	80mm
MasterSeal 937²	
Thickness	0.3mm
Width	120mm

1. **MasterSeal 936** is a double side sticky tape used for used for specialized detailing at membrane terminations.
2. **MasterSeal 937** is a single side sticky tape used for overlaps and repair of membrane.

APPLICATION

(A) SURFACE PREPARATION

It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids. Grout around all penetrations and for stability

Horizontal Blinding – The blinding must be free of loose aggregate and sharp protrusions. The surface does not need to be dry but standing water should be removed.

Vertical Surfaces – Use proper facing such as concrete, plywood to sheet piling to provide proper support to the membrane.

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(B) INSTALLATION

The detailed installation of the membrane can be referred from installation manual. Contact our BASF Representative for further support.

(C) MEMBRANE REPAIR

Inspect the membrane before placing the formwork, steel reinforcement or pouring of concrete. If any damages are found in the membrane the same shall be repaired **MasterSeal 937**

(D) POURING OF CONCRETE

Ensure the plastic liner is removed before the concrete is poured. It is recommended that concrete is poured within 60 days. Care should be taken to avoid any damage to the membrane during the consolidation and compaction of concrete.

PACKAGING

MasterSeal 730 PA is supplied in Rolls of 20m length and width of 1.2 m. Each Roll consists of 24 Sq.m of membrane

MasterSeal 936 is supplied in rolls of 50m length and 80mm width.

MasterSeal 937 is supplied in rolls of 50m length and 120mm width.

SHELF LIFE

Twelve months if stored in original containers under dry conditions at a temperature between 10-30° C. Do not store in direct sunlight for more than 3 days.

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Material Safety Data Sheet (MSDS) from our office or our website.

MAP#MasterSeal 730 PA v1.2- 0217

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