



BLOCK X550 TPO

REINFORCED TPO WATERPROOFING MEMBRANE

TECHNICAL SHEET 15/02/2023

SMART ADVANTAGES

- Form an integral seal to poured concrete, prevent lateral water migration.
- Excellent weather resistance, aging resistance, tensile strength and elongation
- Installation can be done on wet substrate.
- Directly expose to the weather conditions without any protective layer.
- Simple construction. No contamination
- Repeat welding is possible
- White color TPO to increase reflection of sun rays
- Ability of resist the growth of mold and algae
- Strong aging resistance and stability
- Excellent environmental friendly performance. No pollution
- Smooth surface with high light reflection rate which result in energy saving and pollution resistant
- High Security without open flame installation

DESCRIPTION

BLOCK X550 TPO is a thermoplastic polyolefin (TPO) waterproof membrane made of TPO resin (Hifax) by chemical copolymerization with the stabilizers. It is internally reinforced with fabric mesh for mechanically fixed roofing systems. The BLOCK X550 TPO is a white membrane and helps to reflect heat instead of absorbing it. It is one of the best materials used for roof waterproofing.

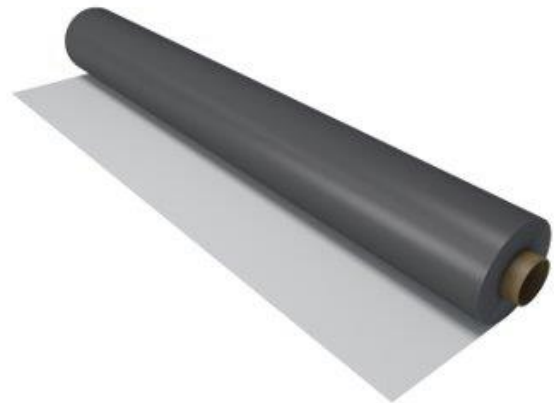
FUNCTIONAL CHARACTERISTICS

BLOCK X550 TPO is designed for waterproofing protection to all kinds of roof waterproof projects, industrial building, civil building, public building, such as convention centers, exhibition halls, stadiums, library, airport, warehouses, etc. Used for metal roofs, exposed concrete roofs, and green roofs.

COVERAGE

- Width 2 meters, Length 20 meters (40m²/ roll)

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



TECHNICAL CHARACTERISTICS

Breaking Strength (ASTMD751-06&ASTM6878)	≥ 979 N
Tensile strength (ASTM D412)	>20 MPa
Elongation (ASTM D412)	≥600
Tearing Strength (ASTM D751)	245 N
Water absorption Rate (D471)	±3% Maximum

APPLICATION

INSTALLATION:

- There are 2 methods of installation for **BLOCK X550 TPO** which are ballasted method and Mechanical Fixation method.

- The **Ballasted Method** involve a system build-up from the substrate, separation layer, **BLOCK X550 TPO** membrane, protection layer and counter weight.

- In the **Mechanical Fixation Method**, the fixation can be with the concrete mechanical Insulated, concrete mechanical non-insulated and metal mechanical fixed. The parameters to be considered for mechanical fixing is the effect of wind and type of anchors suitable to the substrate.

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

CURING:

No curing is required.

STORAGE

The shelf life of **BLOCK X550 TPO** is 12 months from the date of manufacturing.

Moving, transporting, storing and using materials should avoid objects and environments that easily cause perforation or physical damage.

Different types of products should be classified and stored in parallel, with a height of no more than 5 layers.

The finished products should be sealed and packed using clean waterproof cloth to protect and put it in a high place, such as pallet or wood.

PACKAGING

2mx20mx1.5mm per roll

HEALTH AND SAFETY

Suitable protection clothing, dust masks, gloves and eye protection should be worn during membrane installation.

For more detailed information refer to Safety Data Sheet.

DISCLAIMER

Bostik offers this Technical Data Sheet ("TDS") for descriptive and informational use only. It is not a warranty, a contract or a substitute for expert or professional advice. Please also see the local product Safety Data Sheet for health and safety considerations.

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