

# YAPIFINE HYDRA<sup>®</sup> BITUMEN MEMBRANE EASY

HDPE Coated Bitumen Membrane



## Product Definition

Bitumen based, HDPE coated, self-adhesive waterproofing membrane that is applied without the need for a hot air source or a welding torch. The silicone foil on the bottom surface is easily removed and provides permanent insulation.

## Areas of Use

- Horizontal and vertical applications,
- Basic and curtain walls,
- Retaining walls,
- External insulation of water tanks,
- Insulation of basement and warehouses,
- Used in underground garages and parking areas.

## Advantages

- Easy preparation and application.
- Does not require a welding torch or a hot air source.
- Has crack bridging property.
- Can easily be applied on curved surfaces due to its flexible structure.
- Self adhesive.
- It can be applied on vertical and horizontal surfaces.

## Technical Specifications

Appearance	Siyah
Length	20 m
Width	1 m
Thickness	1.5 mm
Weight	2 kg/m <sup>2</sup>
Flexibility at Low Temperature	-25 °C
Flow Resistance at Elevated Temperature	100 °C

Tensile Strength (MD/CD)	300 / 260 N / 50mm
Elongation at Break (MD/CD)	230 / 244 %
Resistance to Tearing	155 N
Resistance to Impact	150 mm
Resistance to Static Loading	10 kg
Joint Strength	195 N/50mm
Reaction to Fire	E

\* Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.

 <b>Packaging</b>	20 m x 1 m roll
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## Surface Preparation

Application surfaces should be dry.

The pointy ends on the surface should be rounded up with a spiral grinder and deep cracks should be filled up with an appropriate repair mortar.

Inner corners and edge joints should be chamfered.

It is recommended to use bitumen based primer on the application surface and the application should take place after the primer dries.

The surfaces that might reduce the adherence of the product should be roughened.

## Application Information

After removing the silicon foil on the bottom surface, the product is ready for use.

The 50-100 cm part of the membrane is opened and 30-50 cm part of the protective paper is peeled off and then the membrane is laid.

Starting from the middle and going to the sides of the laid membrane, the adhesive surface is adhered to the surface with the help of a hard roller brush so that no air bubbles remain.

The protective tape left on the front is pulled from the bottom and rounded the membrane and the bonding process is continued along the line.

Since it is not a UV resistant product, it should be covered appropriately after application.

## Shelf Life

The shelf life of the product is 12 months when it is stored on wooden pallets in a cool, dry and moisture free environment with an ambient temperature between +5°C and +30°C.

## Safety Precautions

No smoking should take place during application.

After the application, protect the application surface from heavy traffic for the next 24 hours.

Avoid application where there is frost or there is a risk of frost.

The operator should be wearing proper work attire, goggles, mask and protective gloves appropriate to work and worker safety regulations.

For further information on the safe handling of this product please read the Safety Data Sheet (SDS).