

# High Density Polyethylene (HDPE) Sheet Membrane



## WD003 HDPE Pre-applied Sheet Membrane



### Description:

Weidun®003 HDPE pre-applied sheet membrane is a form of waterproofing utilizing High Density Polyethylene (HDPE) membrane. It's a strong and durable material, commonly used in many underground structures due to its exceptional root resistance to prevent moisture, underground water seepage to basement floor.

### Uses:

Weidun®003 HDPE pre-applied sheet membrane is designed for areas that need to be waterproofed such as basement, balconies, terraces and green roofs.

### Advantages:

- HDPE membrane fully bonded with concrete;
- Low requirement of substrate;
- Puncture resistance, longer service life;
- Maintain high peel strength in soaking.

### Product Application:



[wd-waterproofing.com](http://wd-waterproofing.com)

### Storage and Handling:

To prevent damage, support rolls on end in an upright position and store in a clean, dry location, covering as necessary to protect from environment damage. Monitor environmental conditions during storage, handling, and application.



### Product Specifications:

Roll Size*	10.0m <sup>2</sup>
Roll Length	10.0m
Roll Width	1.0m
Roll Weight	45.0kg
Roll per Pallet	30
Full Pallet Weight	1.35ton

Note: Weidun provide tailored design solutions for membrane size to meet your specific needs, please contact your sales representative for support.

### Technical Data Sheet:

Property	Standard Minimum Value	Weidun Value
Roll Length min(m)	10	10.01
Tensile Strength at 23°C (N/50mm)	300	357
Elongation at 23°C +/-2°C, (%)	300	400
Adhesive strength at 23°C (N/50mm)	1.5	1.5
Low-temperature flexibility, at -20 °C	No crack	No crack
Peel strength between membrane and overlaps (N/mm)	1.0	1.0
Puncture resistance (N)	350	398
Oil permeability / number of sheets	0	0
Heat resistance, at 80°C, 2hours	No drop	No drop
Water penetration ( Maintain a water pressure of 0.3Mpa for 120minutes )	Non-penetration	Non-penetration