

WEIDUT HDPE WATERPROOF MEMBRANE

HDPE Sheet is used as base material, covered with a layer of self-adhesive material as bonding layer, and sand layer as isolation layer.



- Membrane fully-bond with concrete
- Low requirement of substrate
- Puncture resistance, longer service life
- Maintain high peel strength in soaking



Membrane closely combined with concrete substrate gives best waterproof performance.

Construction Site



Technical Data Sheet For HDPE Waterproof Membrane

NO.	Item		Index
1	Tensile properties	Pull/(N/50mm)	≥ 600
		Tensile Strength/Mpa	≥ 16
		Phenomenon during stretching	no separation between the rubber layer and the main material or tire base
2	Nail rod tear strength/N≥		400
3	Puncture resistance/N≥		350
4	Impact resistance (0.5kg.m)		No leakage
5	Static loads resistant		20kg,no leakage
6	Heat resistance		80°C, 2h, No slip, flow, drip
7	Low temperature bend ability		-35°C, no cracks in the main material
8	Low temperature flexibility		-25°C, no cracks in the adhesive layer
9	Oil permeability / number of sheets ≤		1
10	Channeling resistance (Hydraulic gradient)		0.8Mpa/35mm,4h no channeling
11	Impermeability(0.3Mpa,120min)		Impermeable
12	Peel strength with post-cast concrete/(N/mm)	No treatment	≥ 1.5
		Immersion treatment ≥	≥ 1.0
		Silt contaminated surface	≥ 1.0
		UV treatment	≥ 1.0
	Heat treatment	≥ 1.0	
13	Peel strength with post-cast concrete after immersed in water/(N/mm)		1.0
14	Coil and coil peel strength (lap edge)/ (N/mm)	No treatment	≥ 0.8
		Immersion treatment	≥ 0.8
15	Peel strength of anti-sticking treatment of coil/ (N/mm) ≤		0.1 or not bonded
16	Heat aging (80°C, 168h)	Pull retention/% ≥	90
		Elongation retention/% ≥	80
		Low temperature bend ability	-32°C, no cracks in the main material
		Low temperature flexibility	-23°C, no cracks in the adhesive layer
17	Dimensional change rate/% ≤		± 1.5