

HDPE SELF-ADHESIVE
SHEET MEMBRANE



SILPAS[®]

HDPE sheet membrane
for Basement Structure waterproofing

JV POLYMERS
innovative coating

DESCRIPTION

SILPAS is a multilayer compound waterproof membrane composed of strong high density polyethylene(HDPE) sheet, premium quality pressure sensitive adhesives, and silicon- oiled released film, the specially developed adhesive layer can keep continuous bond to post-poured concrete for basement structure waterproofing.

FEATURES AND BENEFITS

- Excellent tensile strength, tear strength and elongation performance, and the fully new bonding techniques can keep continuous bond to post-poured concrete
- Excellent anti impact and anti-puncture performance, not need additional protection layer, reinforced concrete poured directly
- Excellent chemical resistance to alkaline water from concrete slurry, not affected by the living garbage, biological invasion, mildew, corrosion resistance
- Without screed-coat, less requirements for substrate, application will not affect by weather and damp surface, and hold significant application advantages during rainy season or catch the deadline
- Cold-application with pressure sensitive adhesives, eco-friendly, and not need cement-mortar protective layer, save time & cost

APPEARANCE

- Rolled sheet membrane with smooth surface
- Size : 1.2mm(Thickness)*1meter(Width)*20meter(Length)
- Colour : White
- Coverage : 18.3m² / Roll weight : 23kg

STORAGE

- Supplied in 20m² rolls packed by plastic film or non-woven bag
- Store roll horizontal position, 6 months storage time from prevent damage
- Store rolls in a clean dry location, not exceed 45°C, avoid sunbaked and rain, and covered as necessary to protect from environmental damage, heat, cold or moisture etc.

TEST DATA

Item	Test Methods	Unit	SILPAS
Visible defects	EN1850-2	-	PASS
Thickness	EN1849-2	mm	1.2mm(-10/+10%)
Length	EN1848-2	m	20m(-0.5/+1%)
Width	EN1848-2	m	1m(-0.5/+1%)
Mass per unit area	EN1849-2	Kg/m2	1.13(-5/+10%)
Tensile strength	EN12311-2	N/50mm ≥	1000
Elongation at break	EN12311-2	% ≥	600
Tear strength (Nail Shrank)	EN12310-2	N/50mm ≥	500
Adhesion to Concrete	EN1372	N/mm ≥	2.0
Hydrostatic head resistance	ASTM5385	m ≥	70
Puncture resistance	ASTME154	N ≥	1000
Resistance to impact	EN12691	mm, ≥	400
Water migration	EN1928B	-	PASS
Dimensional stability	EN1107-2	% ≤	0.5
Cold flexibility	EN495-5	°C	-25°C, no crack
Static loading resistance	EN12730	20Kg ≥	PASS
Fire-resistance	EN13501-1	-	CLASS E

Customer Service

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Technical Service

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