SHUANGSHI
GEOSYNTHETIC PROFESSIONAL

SHUANGSHI

New Material Co.,Ltd

Waterproof materials Expert

From China to the world,Be friendly to enviroment

Your reliable partner

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关于我们

ABOUT US

COMPANY PROFILE

About Qingdao Shuangshi New Material Co.,Ltd.

Qingdao Shuangshi New Material Co., Ltd. is a business company belongs to Shuangshi new material corporation, Relying on professional knowledge and skilled employees in the field of geosynthetic and waterproof. Qingdao Shuangshi New Materials is dedicated to supply high-quality and cost-effective building waterproofing materials to worldwide customers.

We give them full support to get the right product and deal with the whole importing process, even the order quantity can be small, we will deliver products directly to your warehouse instead of dealing with the complicated importing process by yourselves, The cost can go down 20-50% compared to a local purchasing.

We lead the way in customer care and satisfaction, and at the same time, we try our best to build up a reputation in this area, which means we strive to provide the very best products and most efficient service to everyone we work with.

ENTERPRISE CERTIFICATION

ISO 9001

ISO 14001

PART 02

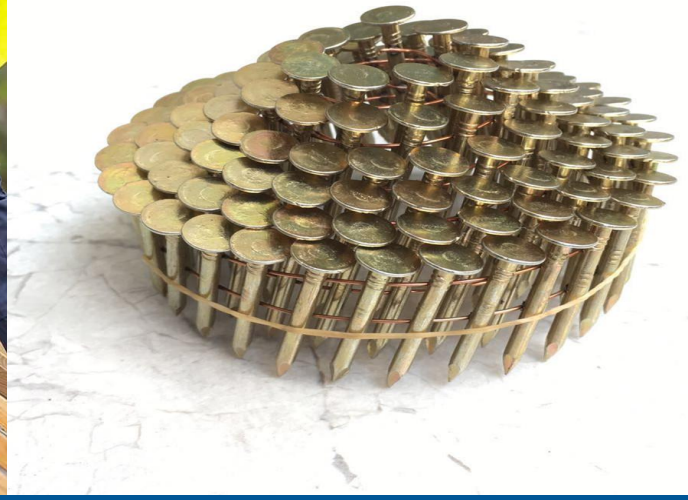
产品介绍

PRODUCT

PRODUCT INSTRUCTION

EPDM waterproof membrane

Synthetic roof underlayment



Coil roof nail

EPDM membrane

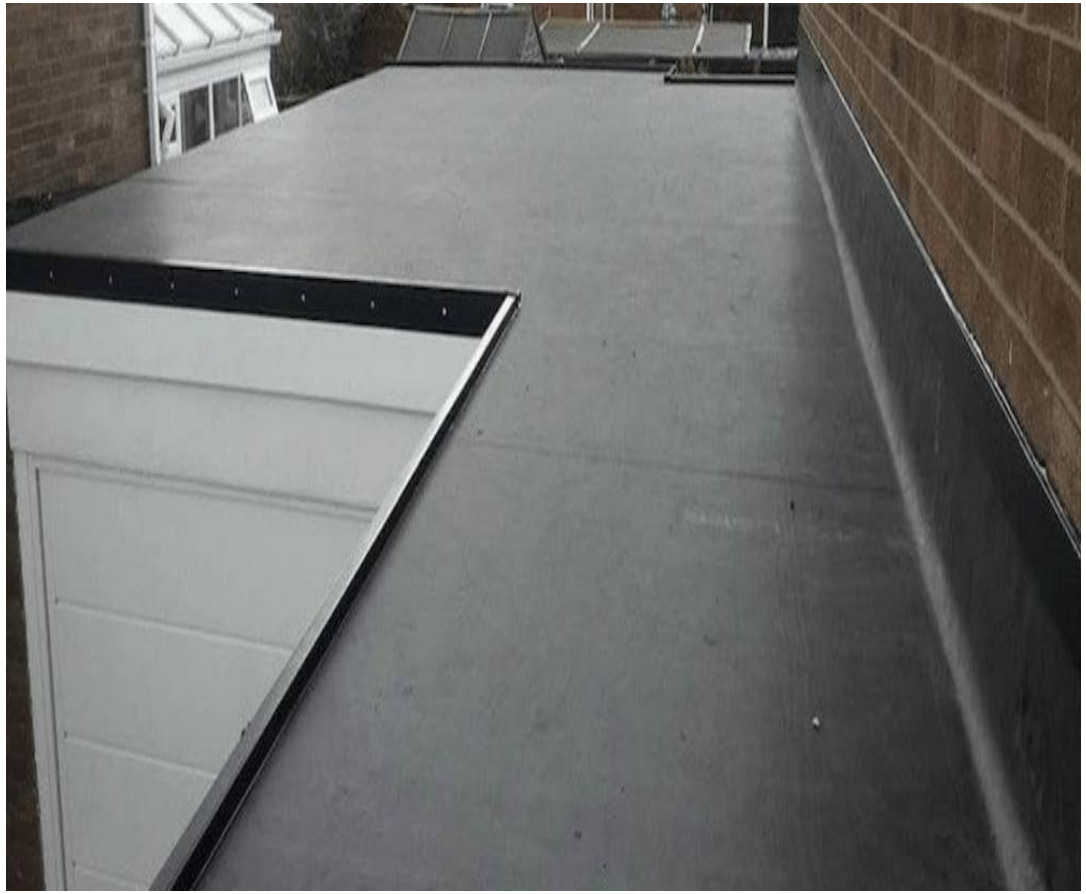
EPDM waterproof membrane

EPDM is known as an extremely durable synthetic rubber membrane that is 100% recyclable and eco friendly. EPDM waterproof membrane is widely used for various types of roofs, including homes, garages, sheds, and storage facilities. EPDM material shows a superior flexibility, elongation, UV resistance and durability compared with other materials over the past decades.

Our EPDM membrane can ranges from 45 mils to 90 mils (1.14 mm to 2.29 mm) according to customer requirements.

Applications:

EPDM waterproof membrane is mainly used for commercial, building roofs, and flat house roof. those EPDM membrane could provide over 25 years protection according to historical evidence.



EPDM membrane

EPDM roofing membrane technical data

Test properties		Test method	Units	45 mil	
				SI	Eng
Mechanical properties	Unit Weight	ASTM D751	kg/m2 (lb/ft2)	1.2	0.25
	Thickness *Lowest individual of 10 values	ASTM D5199	mm (in)	1.14 -10%	0.045 -10%
	Tensile properties				
	Break strength	ASTM D882	Mpa(psi)	9	1305
	Break elongation		%	500	500
	Tear resistance	ASTM D624	kN/m (lb/in)	26.27	150
	Puncture resistance	ASTM D4833	N (lbs)	110	25
Reference properties	Resistance to Ozone 7days/100@37.8°C (150°) 50% ext.	ASTM D1149		No crack	No crack
	Oven Aging 100°C (212°) for 170 hours	ASTM D882			
	% retained on tensile break strength		%	90	90
	% retained on tensile break elongation		%	75	75
	Brittleness Temperature	ASTM D746	°C(F)	-45	-49
	Water Resistance weight after immersion 7 days @ 65°C (170°F)	ASTM D471	%	0.3	0.3
	Chronic Toxicity Screening	ASTM E729		Pass	Pass
*Testing accordance with ASTM standard					

TPO roofing membrane

TPO roofing membrane

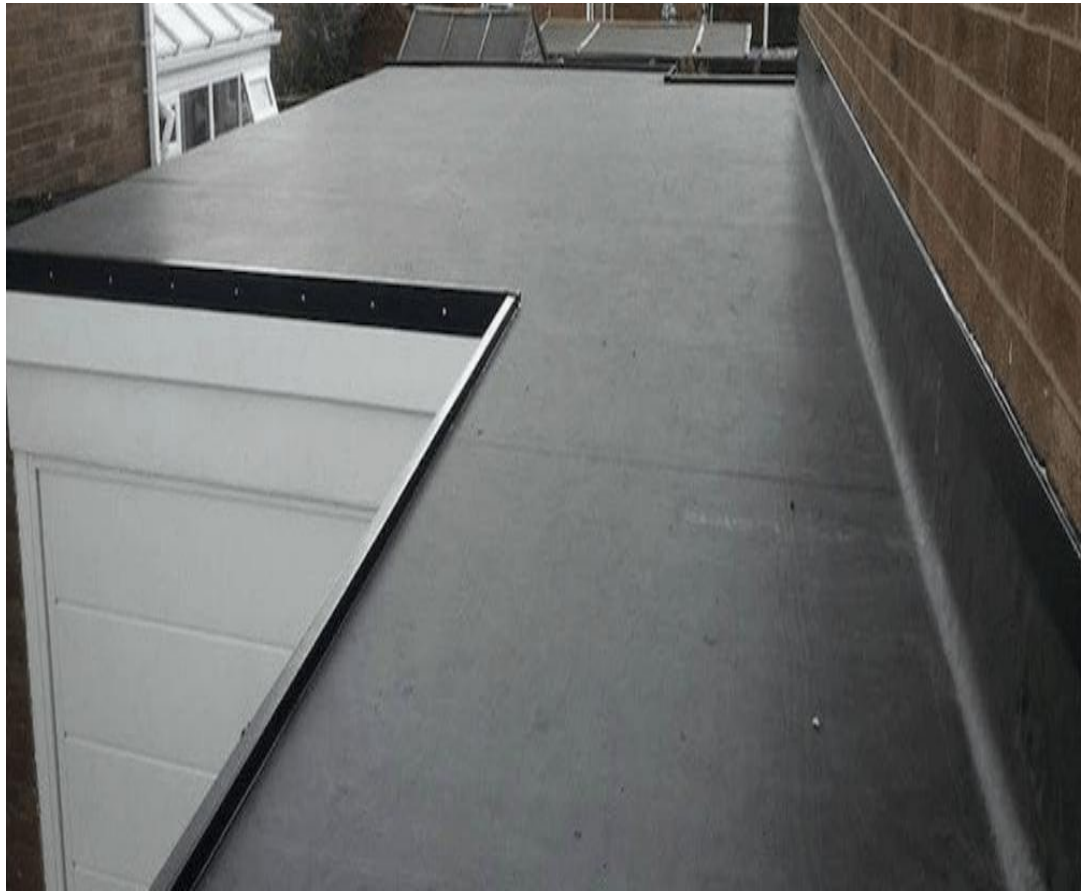
TPO roofing membrane

TPO (Thermoplastic Polyolefin) roofing membrane is a popular, single-ply roofing material widely used for flat or low-slope roofs, especially in commercial and industrial buildings. TPO roofing is an affordable material that combines the benefits of PVC and EPDM roofing.

Shuangshi TPO roofing membrane has those unique characteristics---strong puncture resistance, good welding performance, superior weather resistance without cracking during extreme temperature, stable quality control, competitive price. which making us been one of the most reliable roofing membrane supplier in North America market from China,

Applications:

TPO roofing membrane is mainly used for commercial, building roofs, and flat house roof. those TPO roofing membrane could provide over 30 years protection according to historical evidence.



TPO roofing membrane

TPO roofing membrane technical data

Item	index		
	Single ply	With fiber	fabric reinforced
The resin thickness of Middle fabric, mm≥	—		0.40
Maximum tension , N/cm ≥	—	200	250
Tension strength, Mpa≥	12	—	—
Maximum tension elongation, %≥		—	15
Fracture elongation, %≥	500	250	—
Heat treatment size change rate, %≤	2.0	1.0	0.5
Low-temperature bending	-40℃ No crack		

TPO roofing membrane

TPO roofing membrane with with self - adhesive layer technical data

No	item		index
1	Peel strength/(N/mm)	Coil and Coil	≥1.0
		Coil and aluminum	≥1.5
2	Peel strength after immersion/(N/mm)		≥1.5
3	The peel strength after heat aging /(N/mm)		≥1.5
4	Self - adhesive surface heat resistance		70℃,2h No flow
5	Sticky /min		≥15

Roof underlayment

Synthetic roof underlayment

Qingdao Shuangshi underlayment is made from polypropylene that protects those roof decks for moisture and offers maximum traction to roofing crews.

We provide service of printing customer logos on synthetics surface.

Applications:
Synthetic roof underlayment mainly used as a second protection between asphalt shingles and roof decks of individual residential.
The thickness can be customized according to the requirement.

Roof underlayment

Synthetic roof underlayment technical data

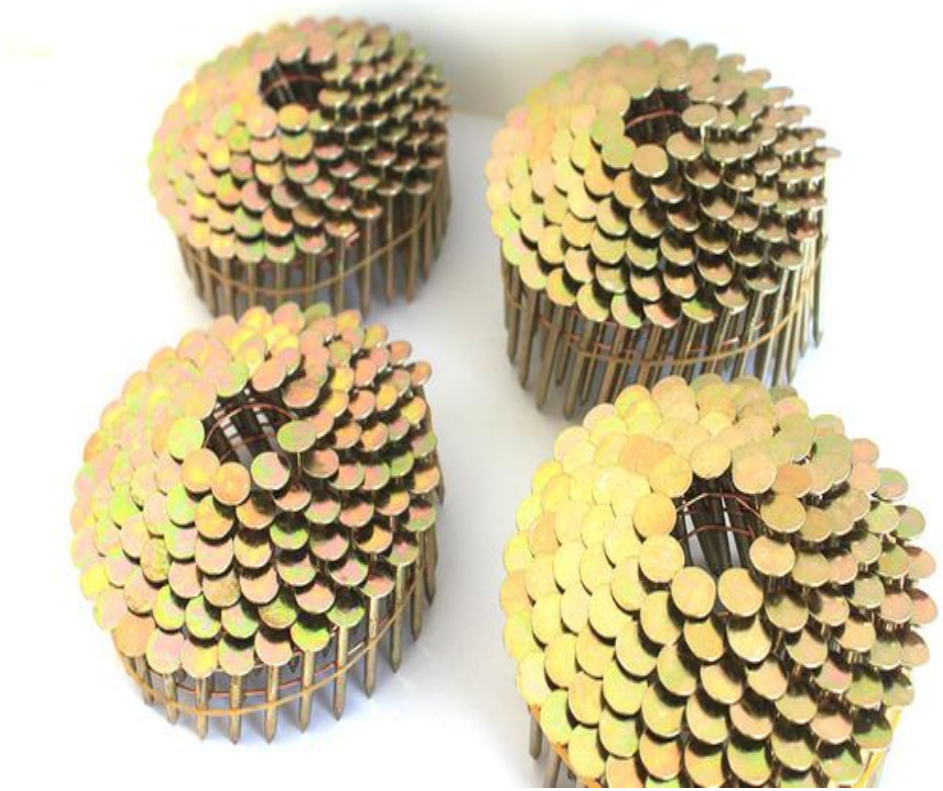
Test properties	Units	Shuangshi udnerlayment
Product weight	gsm	110
Roll Weight w/core	lbs	23.5
Breaking Strength (lbs)	MD(lbs) CD (lbs)	98 93
Tear Strength	MD(lbs) CD (lbs)	18 16
Liquid Water Transmission	-	Passed
Moisture Vapor Transmission Rate (perms)	perms	0.06

Coil roof nail

Coil roof nail

Coil roof nail is the main accessory during the roof installation. they are industrial standard products. Under same quality, the price is the crutial index to compete different brands.
Our nail is best choice for you to low down the cost.

Applications:
Mainly used to fasten the roof shingles.



PART 03

承诺
WARRANTY

Warranty

Warranty

Our clients will have our warranty against any defect due to faulty material arising from the manufacturing process. Our clients should promptly notify of any claim in writing within thirty (30) days of discovery of the defective material and provide us with digital pictures, field samples of product and the details of application. we will pay 100% of the compensation.

PART 04

联系我们

CONTACT US

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