

nexler[®]

Green Roof

Anti-root bituminous felt

25

years

*the longest
warranty
in Poland*





The implementation of green roofs requires special care in terms of correct installation, as well as the right choice of materials. In this respect, a waterproofing layer plays a crucial role. The bituminous felt used for this stage of the work must, among other things, be resistant to root overgrowth – then it will provide proper protection. It's even better if it is a **double protection!** Nexler Green Roof bituminous felts ensure **double protection**, which is highlighted by the longest, **standard warranty in Poland, 25 years!**

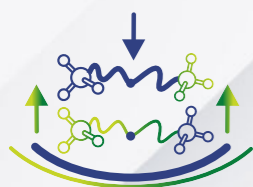
Double protection system



Unique composition **of two** additives preventing root overgrowth

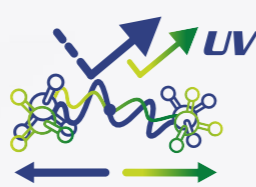


Balanced system **of two** SBS modifiers



Linear SBS

responsible for the flexibility of the product



Radial SBS

responsible for the durability and strength, as well as resistance to temperatures and UV radiation



A combination of asphalt modified with **two types** of SBS rubber and a very strong polyester fabric

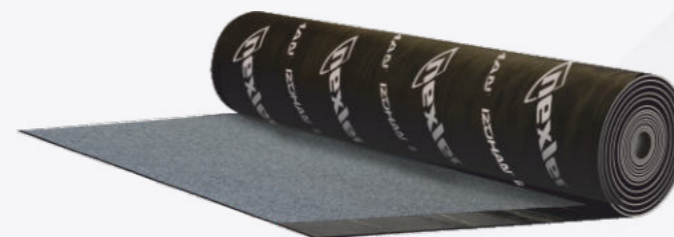


NEXLER Green Roof PYE PV250 550

Weldable bituminous felt highly modified with SBS

Properties:
Highly modified weldable bituminous felt with root growth inhibiting additives, manufactured on a polyester matrix. Used on green roofs as a second layer to seal and block root passage. Extended sealing life due to the thickness of the bituminous felt.

Roll dimensions	5,5 x 1 m	
Thickness	5,0 mm	
Reinforcement	polyester	
Asphalt type, flexibility	modified SBS, -20°C	
	along	across
Tensile force	1100 ± 150 (N5cm)	900 ± 200 (N5cm)
Elongation	50 ± 10 (%)	50 ± 10 (%)

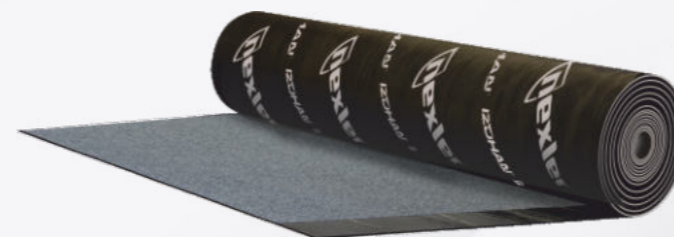


NEXLER Green Roof PYE PV200 542

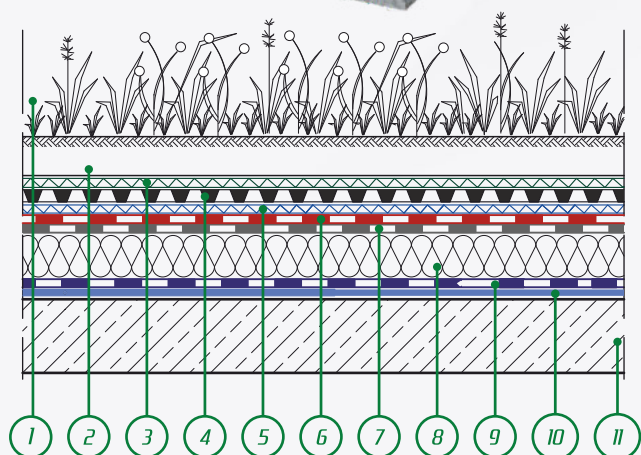
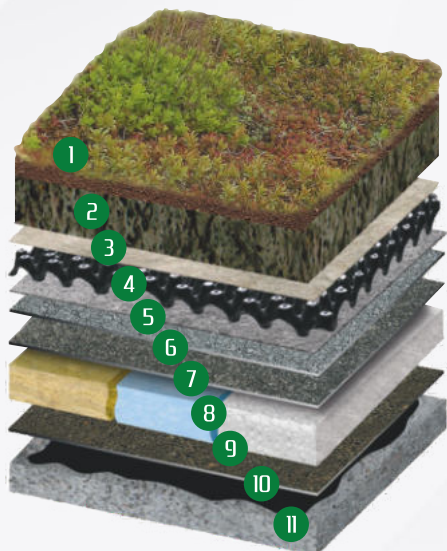
Weldable bituminous felt highly modified with SBS

Properties:
Highly modified weldable bituminous felt with root growth inhibiting additives, manufactured on a polyester matrix reinforced with glass fibre. Used on green roofs as a second layer to seal and block root passage.

Roll dimensions	5,5 x 1 m	
Thickness	4,2 mm	
Reinforcement	glass fibre reinforced polyester	
Asphalt type, flexibility	modified SBS, -20°C	
	along	across
Tensile force	850 ± 250 (N5cm)	550 ± 250 (N5cm)
Elongation	50 ± 15 (%)	50 ± 15 (%)



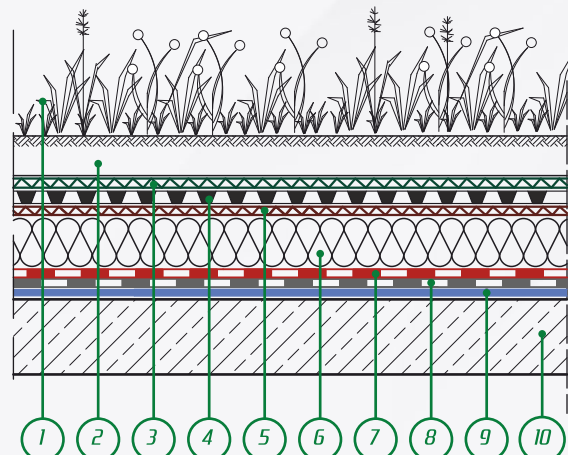
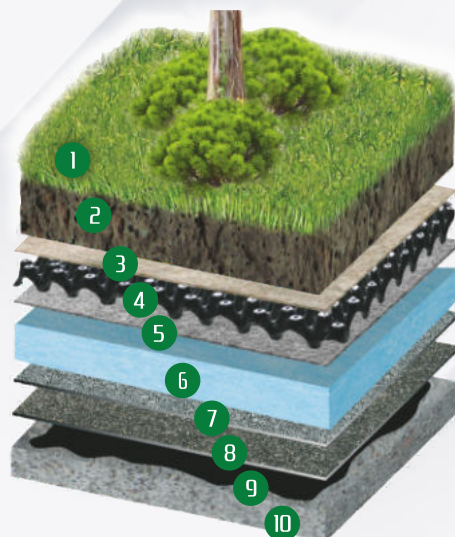
Extensive roof - classic layer arrangement



Layer arrangement

1. Plant zone	extensive planting
2. Vegetation layer	substrate with a thickness appropriate for the type of plants
3. Filtration layer	filtration fabric
4. drainage layer	Retention and drainage layer drainage mat
5. Protective layer	protective and diffusive mat
6. Bituminous felt resistant to root overgrowth	NEXLER Zielony dach PYE PV250 S50 alternatively NEXLER Zielony dach PYE PV200 S42
7. Weldable base bituminous felt	NEXLER Premium 47 alternatively NEXLER Premium 40, NEXLER Premium 29, NEXLER PJ40
8. Insulation	Thermal insulation sandwich panels – polystyrene boards covered with bituminous felt, straight or sloping EPS boards <small>(the classic system does not require using expensive non-absorbent XPS boards)</small>
9. Vapour barrier	NEXLER PREMIUM 40, NEXLER PJ 40
10. Impregnation	NEXLER PENETRATOR G7 alternatively IZOHAN WA, NEXLER BITFLEX Primer
11. Substrate	Concrete substrate constructed with a slope of min. 1%

Intensive roof - reverse layer arrangement



Layer arrangement

1. Plant zone	extensive planting
2. Vegetation layer	substrate with a thickness appropriate for the type of plants
3. Filtration layer	filtration fabric
4. drainage layer	Retention and drainage layer drainage mat
5. Protective layer	Diffusion and separation mat
6. Insulation	Plates XPS
7. Roofing felt resistant to root overgrowth	NEXLER Zielony dach PYE PV250 S50 alternatively NEXLER Zielony dach PYE PV200 S42
8. Weldable backing felt	NEXLER Premium 40 alternatively NEXLER Premium 29, NEXLER PJ40
9. Impregnation	NEXLER PENETRATOR G7 alternatively IZOHAN WA, NEXLER BITFLEX Primer
10. Substrate	Concrete substrate constructed with a slope of min. 1%