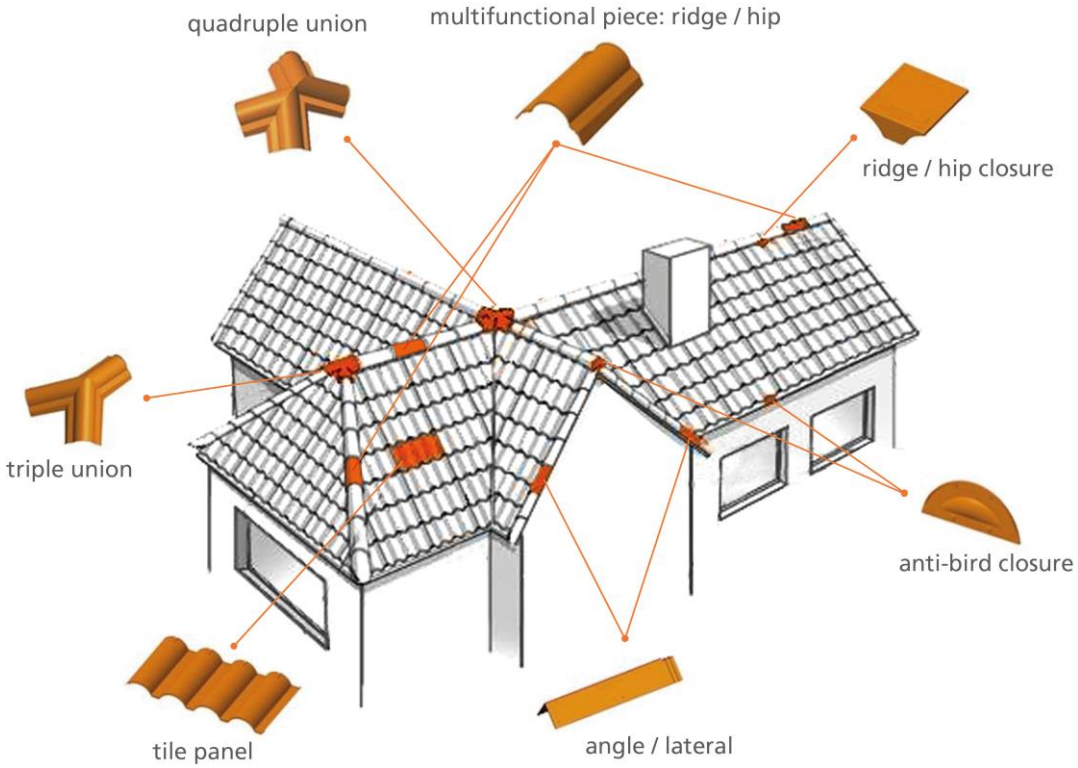
Technical Data Sheet and Guarantee

Product with more than 20 years on the American market

Technical characteristics of the Roofeco Smart Roof System



Composition:	04 PE-LD Recycled polymer compounds: low and high density polyethylene (LDPE and HDPE) with minerals and nanometric components which improve the original properties of the raw materials
Dimensions:	107 cm x 57 cm
Thickness:	0.5 cm
Weight per m^2:	6.50 kg
Coverage:	Net (without overlaps): Two 4 wave panels = 1.05 m^2 Gross (with overlaps): Two 4 wave panels = 1.22 m^2

Available colors:	Clay, chocolate, green, blue, black, oxford gray and translucent for illumination of interior areas.
Patented moorings:	Joins panel with panel, no exposed and visible screws. Also joins ridge with ridge
Accessories:	Anti-bird closure, ridge, hip, ridge and hip closure, lateral and angle.
Installation speed:	35 m^2/ hour
Minimum roof slope:	10 degrees (17%)
Degradation:	The nanometric components used in the formulation multiply the effect of the conventional additives by 4, thus slowing down the degradation of the material.
Heat and cold:	Tolerates extreme temperature from -40°C to +60°C.
Winds and hurricanes:	Resists winds of up to 178km/hour (110mph)
Tornados:	Resists suction force of up to 650Kg/m2 (135psf)
Acoustics:	The sound of the rain is hardly noticeable if there is no ceiling.
Reaction in case of fire:	In the event of strong fire, the roof will burn but it will not contribute to the spreading of the fire or release toxic gases as would PVC.
Maintenance:	Not required.
Trafficability:	Total, does not break and resists hailstorms.
Excess cuttings:	They will be deposited in the recycling container for plastic materials. Not toxic.

Guarantee

CE marking.
20 year warranty, although service life will be much longer due to nanotechnology.

Complies with the following regulations:

- **ASTM G 155/26** Accelerating weathering test for 4500 hr TAS 100-95
- **ASTM D 638** Tensile test on exposed controlled specimens
- **ASTM C 158** Flexural test on exposed controlled specimens
- **ASTM E 108** Class B Fire resistance
- **ASTM D 1929** Self ignition
- **ASTM D 635** Smoke density
- **TAS 125** Uplift resistance

- **TAS 100** Uplift high force resistance

- **EN 1991-1-4: 2005** Wind driven rain resistance
- **UNI EN ISO 8256** Deformation at break
- **UNI EN ISO 20105/A02:96** Color resistance
- **UNI 10890/00** Hail resistance
- **UL 94 HB/97** Fire resistance

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