



**DERBIGUM®**  
ECOLABEL

# DERBIBRITE NT®

*The white reflective bituminous waterproofing membrane with EASYCLEAN New Technology*

## Composition of the membrane

- ▶ DERBIBRITE NT is a waterproofing membrane composed of a copolymer bitumen with New Technologies which give it exceptional characteristics.
- ▶ DERBIBRITE NT is reinforced with a composite glass / polyester reinforcement impregnated with an acrylic coating with a high reflection capacity. The durability of the coating is guaranteed thanks to the EASYCLEAN nanotechnology.
- ▶ The functionality of the DERBIBRITE NT as a passive cooler allows energy savings and reduce production of CO<sub>2</sub> during its roof life
- ▶ DERBIBRITE NT benefits from a technology that makes it pH-neutral thus allowing the recycling of rainwater.
- ▶ When installing the DERBIBRITE NT a minimum slope has to be provided in accordance with the national rules and the requirements described in the specifications.
- ▶ DERBIBRITE NT has an innercoating with talk and has a along two sides a border of 10 cm with an adherent polyethylene foil.

## Special characteristics

Initial reflectivity	ASTM C-1549	76%	% (Criterion > 65 %)
Reflectivity after ageing	ASTM C-1549	71%	% (Criterion > 50 %)
Initial emissivity	ASTM C-1371 & ASTM E-408	94%	% (Criterion > 80 %)
Fungus resistance	ASTM Test method G 21	0	(no growth of fungi)
Fire resistance	Conform to EN 13501-5, classification B <sub>ROOF</sub> (t1, t2, t3) according to ENV 1187 method.		

Fire resistance reports available upon request.

Application methods

Possibility for single ply application.

## Environmental characteristics

In accordance with ISO 14040 standard (Life Analysis Cycle)

pH-neutral	U1.3/01-080 (MFPA Leipzig)
Recycling	this waterproofing membrane is 100% recyclable
Climatic change*	3,4kg CO <sub>2</sub> /m <sup>2</sup> but its functionality allows it to comply with the criterion

### Factor 19 > Factor 4

**Factor 4** : European objective that falls within the development of an European strategy for sustainable development in line with the kyoto protocol. It means that by 2050 the products will have to generate twice more value with 2 times less resources

**Factor 19** : Due to its passive cooling effect DERBIBRITE NT saves 19 times more CO<sub>2</sub> after installation than the produced total of CO<sub>2</sub> during production.

\* Values according with ISO 14040 standard and approved by Ecobilan (report available if required)

## Technical characteristics

	Test method	Expression of value	Result	Unit
Heat resistance	EN 1110	MLV	≥ 120	°C
Cold bending	EN 1109	MLV	≤ -20	°C
Tensile strength L/T	EN 12311-1	MDV (±20%)	1000/1000	N/50mm
Dimensional stability	EN 1107-1	MLV	≤ 0.3	%
Tear resistance L/T	EN 12310-1	MLV	≥ 350	N
Resistance to static load	EN 12730(A)	MLV	≥ 20	kg

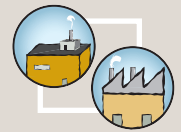
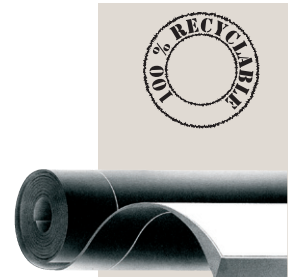
MLV : Manufacturer Limited Value / MDV : Manufacturer Determinated Value

## Presentation

	Test method	Expression of value	Result	Unit
Thickness	EN 1849-1	MDV (±0.2)	3	mm
Length	EN 1848-1	MLV	10	m
Width	EN 1848-1	MLV	1	m
Surface		MLV	10	m <sup>2</sup>
Armature composite glass/polyester		MDV (±15%)	170	g/m <sup>2</sup>
Acrylic coating		MDV (±15%)	350	g/m <sup>2</sup>
Roll weight		MDV (±2)	34	kg
Number of rolls per pallet			25	

## Storage

Rolls must be transported and stored in a vertical position, off the ground.



Ecological



Resistant



Anti-tearing



HALOGEN FREE

Halogen free



Fire resistant



pH-neutral



Reflective



**CERTIFIED**  
B<sub>ROOF</sub> (t1, t2, t3)



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**DERBIGUM®**  
MAKING BUILDINGS SMART

**IMPERBEL sa/nv**  
Bergensesteenweg 32 – B-1651 Lot  
Tel.: 02 334 87 00  
Fax: 02 378 14 69  
E-mail: infobe@derbigum.com

WWW.DERBIGUM.COM