

DECKING / FENCES / FACADES 2025

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I AM TERAFEST®

AND I BRING MORE
JOY TO YOUR LIFE



I AM EASY TO MAINTAIN AND SAVE YOUR TIME

Just wash me with a power-washer
once a year.



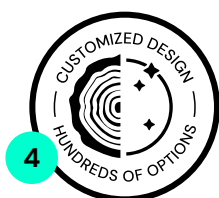
I AM SAFE

I am not slippery and do not form
splinters.



MY VALUE IN TIME

You get me with a guarantee
of up to 25 years.



THEY WILL MAKE ME EXACTLY ACCORDING TO YOUR NEEDS

Choose me in the colour, width
and length which suits you.



I WILL BE INSTALLED BY PROFESSIONALS

I only work with certified
and reliable installers.

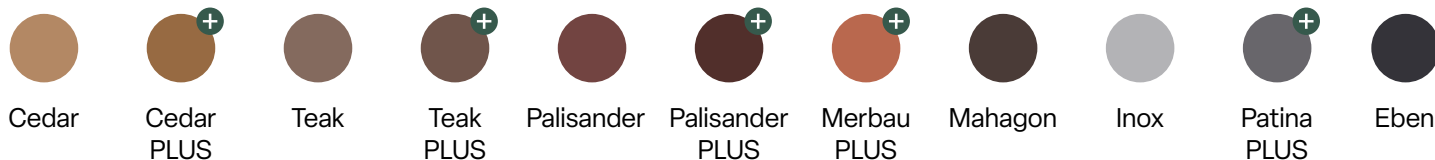


I LOVE NATURE

I am eco-friendly
and 100% recyclable.

PORTFOLIO 2025

COLOUR



The colour variants marked **+** have a unique color annealing, which breaks up the color monotony in the area and adds to the attractiveness of the decking.

TEXTURE



PROFILE

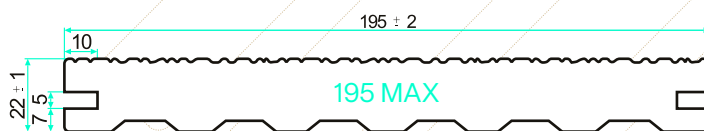
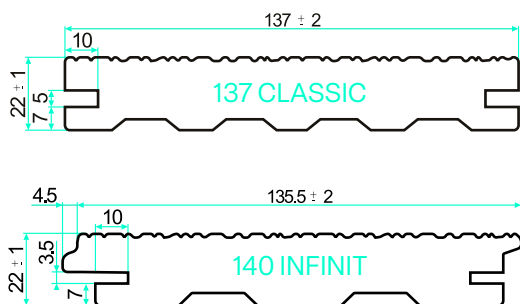


	FOREST	NATUR	RUSTIC	SMOOTH	GROOVE
Cedar	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic
Cedar PLUS	137 Classic 140 Infnit	137 Classic	137 Classic 140 Infnit	137 Classic	✗
Teak	137 Classic 195 Max 140 Infnit	137 Classic 136 Classic Ecoline	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic
Teak PLUS	137 Classic 140 Infnit	137 Classic	137 Classic 140 Infnit	137 Classic	✗
Palisander	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic
Palisander PLUS	137 Classic 140 Infnit	137 Classic	137 Classic 140 Infnit	137 Classic	✗
Merbau PLUS	137 Classic	137 Classic	✗	✗	✗
Mahagon	137 Classic 195 Max 140 Infnit	137 Classic 136 Classic Ecoline	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic
Inox	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic
Patina PLUS	137 Classic 140 Infnit	137 Classic	137 Classic 140 Infnit	137 Classic	✗
Eben	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic 195 Max 140 Infnit	137 Classic	137 Classic



DECKING TERAFFEST
FOREST TEXTURE

PROFILES WITH FOREST TEXTURE



PROPERTIES

profile	dimensions	stock length	custom length	weight
137 Classic	137 × 22 mm	4 m	2 - 6 m	3,3 kg/lm
195 Max*	195 × 22 mm	4 m	2 - 4 m	4,7 kg/lm
140 Infnit**	140 × 22 mm	4 m	2 - 6 m	3,4 kg/lm

* Profile 195 Max is not available in colour options marked +

** Profile 140 Infnit is not available in colour option Merbau Plus.

Dimensional tolerance: length +/- 10 mm; width +/- 2 mm; thickness +/- 1 mm.

COLOUR OPTIONS



The colour variants marked + have a unique color annealing, which breaks up the color monotony in the area and adds to the attractiveness of the decking.

FOREST TEXTURE

TECHNICAL PROPERTIES



Technical properties according to ETA 23/0919*

Basic characteristics	Standard	137 Classic Forest	195 Max Forest	140 Infnit Forest
Reaction to fire	ČSN EN 13501-1	C _{fi} -s1	C _{fi} -s1	C _{fi} -s1
Swelling in thickness	ČSN EN 317	2,4 %	2,4 %	2,4 %
Water absorption	ČSN EN 317	3 %	3 %	3 %
Bending strength	ČSN EN 310	28,6 MPa	30,4 MPa	28,6 MPa
Modulus of elasticity	ČSN EN 310	5114 Mpa	5205 Mpa	5114 Mpa
Impact strength	ČSN EN 477	20 J – pass	20 J – pass	20 J – pass
Slipperiness Dry (parallel/perpendicular)	ČSN P CEN/TS 15676	93/94	93/94	93/94
Slipperiness Wet (parallel/perpendicular)	ČSN P CEN/TS 15676	54/60	54/60	54/60
Pull-through strength of the fasteners	ČSN EN 1383	2,71 MPa	2,71 MPa	2,71 MPa
Moisture resistance under cyclic conditions (decrease in strength and modulus of elasticity)	ČSN EN 321	6 % 14,1 %	6,6 % 15,4 %	6 % 14,1 %
UV radiation – before ageing resistance – after ageing (1000h)	EN ISO 4892-2	2,58 kJ/m ² 2,61 kJ/m ²	2,58 kJ/m ² 2,61 kJ/m ²	2,58 kJ/m ² 2,61 kJ/m ²
Thermal expansion +30 až +80 °C	EAD čl.2.2.10	2,57*10 ⁻⁵ %	2,57*10 ⁻⁵ %	2,57*10 ⁻⁵ %
Surface hardness	ČSN EN 1534	91 N/mm ²	91 N/mm ²	91 N/mm ²
Density	ČSN EN ISO 1183-1	1,21-1,24 g/cm ³	1,21-1,24 g/cm ³	1,21-1,24 g/cm ³
Thermal conductivity	ČSN EN 12667	0,072 W/(m*K)	0,072 W/(m*K)	0,072 W/(m*K)

* European Technical Assessment No. ETA 23/0919 of 21/12/2023 issued by Technical and Test Institute for construction Prague, on the basis of European Assessment Document EAD 190005-00-0402.

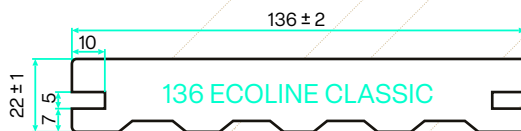
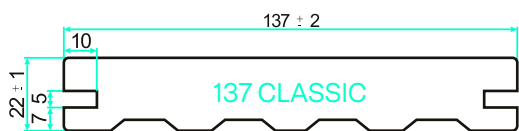
Other technical properties

Characteristics	Standard	137 Classic Forest	195 Max Forest	140 Infnit Forest
Antistatic properties	ČSN EN 1815	0,22/0,17 kV - pass	0,22/0,17 kV - pass	0,22/0,17 kV - pass
Anti-slip classification	DIN 51130	R10	R10	R10
Migration of certain elements (Category III)	ČSN EN 71-3+A1	pass	pass	pass
Formaldehyde emissions	ČSN EN 717-1	< 0.028 mg/m ³ pass	< 0.028 mg/m ³ pass	< 0.028 mg/m ³ pass



DECKING TERAFFEST
NATUR TEXTURE

PROFILES WITH NATUR TEXTURE



PROPERTIES

profile	dimensions	stock length	custom length	weight
137 Classic	137 × 22 mm	4 m	2 - 6 m	3,3 kg/lm
136 Ecoline Classic	136 × 22 mm	4 m	2 - 6 m	3,3 kg/lm

Dimensional tolerance: length +/- 10 mm; width +/- 2 mm; thickness +/- 1 mm.

COLOUR OPTIONS



The colour variants marked **+** have a unique color annealing, which breaks up the color monotony in the area and adds to the attractiveness of the decking. 136 Ecoline Classic boards are available in three color options, Teak, Mahagon and Eben. These colors are designed to resemble basic color tones. However, because they are made from 100% recycled material, the resulting color tone can be slightly changed during production. This gives the boards their authentic and natural look, which harmoniously complements any decking or facade.



Technical properties according to ETA 23/0919*

Basic characteristics	Standard	137 Classic Natur	136 Ecoline Classic Natur
Reaction to fire	ČSN EN 13501-1	C _{fi} -s1	C _{fi} -s1
Swelling in thickness	ČSN EN 317	2,4 %	2,4 %
Water absorption	ČSN EN 317	3 %	3 %
Bending strength	ČSN EN 310	28,6 MPa	28,6 MPa
Modulus of elasticity	ČSN EN 310	5114 Mpa	5114 Mpa
Impact strength	ČSN EN 477	20 J – pass	20 J – pass
Slipperiness Dry (parallel/perpendicular)	ČSN P CEN/TS 15676	81/93	81/93
Slipperiness Wet (parallel/perpendicular)	ČSN P CEN/TS 15676	44/54	44/54
Pull-through strength of the fasteners	ČSN EN 1383	2,71 MPa	2,71 MPa
Moisture resistance under cyclic conditions (decrease in strength and modulus of elasticity)	ČSN EN 321	6 % 14,1 %	6 % 14,1 %
UV radiation resistance – before ageing – after ageing (1000h)	EN ISO 4892-2	2,58 kJ/m ² 2,61 kJ/m ²	2,58 kJ/m ² 2,61 kJ/m ²
Thermal expansion +30 až +80 °C	EAD čl.2.2.10	2,57*10 ⁻⁵ %	2,57*10 ⁻⁵ %
Surface hardness	ČSN EN 1534	63 N/mm ²	63 N/mm ²
Density	ČSN EN ISO 1183-1	1,21-1,24 g/cm ³	1,21-1,24 g/cm ³
Thermal conductivity	ČSN EN 12667	0,072 W/(m*K)	0,072 W/(m*K)

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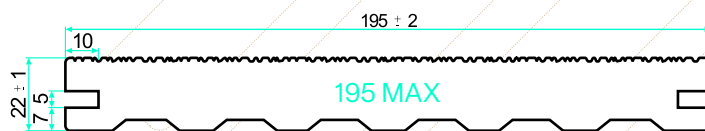
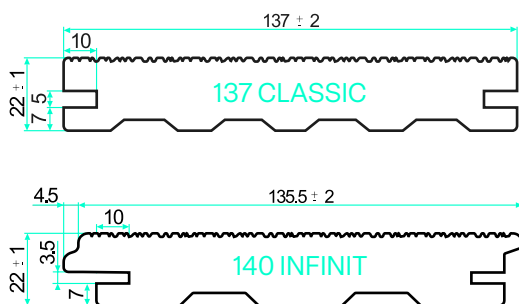
Other technical properties

Characteristics	Standard	137 Classic Natur	136 Ecoline Classic Natur
Antistatic properties	ČSN EN 1815	0,22/0,17 kV - pass	0,22/0,17 kV - pass
Migration of certain elements (Category III)	ČSN EN 71-3+A1	pass	pass
Formaldehyde emissions	ČSN EN 717-1	< 0.028 mg/m ³ pass	< 0.028 mg/m ³ pass



DECKING TERAFFEST RUSTIC TEXTURE

PROFILES WITH RUSTIC TEXTURE



PROPERTIES

profile	dimensions	stock length	custom length	weight
137 Classic	137 × 22 mm	4 m	2 - 6 m	3,3 kg/lm
195 Max*	195 × 22 mm	4 m	2 - 4 m	4,7 kg/lm
140 Infinit	140 × 22 mm	4 m	2 - 6 m	3,4 kg/lm

* Profile 195 Max is not available in colour options marked +
Dimensional tolerance: length +/- 10 mm; width +/- 2 mm; thickness +/- 1 mm.

COLOUR OPTIONS



The colour variants marked + have a unique color annealing, which breaks up the color monotony in the area and adds to the attractiveness of the decking.

RUSTIC TEXTURE

TECHNICAL PROPERTIES



Technical properties according to ETA 23/0919*

Basic characteristics	Standard	137 Classic Rustic	195 Max Rustic	140 Infnit Rustic
Reaction to fire	ČSN EN 13501-1	C _{fi} -s1	C _{fi} -s1	C _{fi} -s1
Swelling in thickness	ČSN EN 317	2,4 %	2,4 %	2,4 %
Water absorption	ČSN EN 317	3 %	3 %	3 %
Bending strength	ČSN EN 310	28,6 MPa	30,4 MPa	28,6 MPa
Modulus of elasticity	ČSN EN 310	5114 Mpa	5205 Mpa	5114 Mpa
Impact strength	ČSN EN 477	20 J – pass	20 J – pass	20 J – pass
Slipperiness Dry (parallel/perpendicular)	ČSN P CEN/TS 15676	67/84	67/84	67/84
Slipperiness Wet (parallel/perpendicular)	ČSN P CEN/TS 15676	44/59	44/59	44/59
Pull-through strength of the fasteners	ČSN EN 1383	2,71 MPa	2,71 MPa	2,71 MPa
Moisture resistance under cyclic conditions (decrease in strength and modulus of elasticity)	ČSN EN 321	6 % 14,1 %	6,6 % 15,4 %	6 % 14,1 %
UV radiation – before ageing resistance – after ageing (1000h)	EN ISO 4892-2	2,58 kJ/m ² 2,61 kJ/m ²	2,58 kJ/m ² 2,61 kJ/m ²	2,58 kJ/m ² 2,61 kJ/m ²
Thermal expansion +30 až +80 °C	EAD čl.2.2.10	2,57*10 ⁻⁵ %	2,57*10 ⁻⁵ %	2,57*10 ⁻⁵ %
Surface hardness	ČSN EN 1534	63 N/mm ²	63 N/mm ²	63 N/mm ²
Density	ČSN EN ISO 1183-1	1,21-1,24 g/cm ³	1,21-1,24 g/cm ³	1,21-1,24 g/cm ³
Thermal conductivity	ČSN EN 12667	0,072 W/(m*K)	0,072 W/(m*K)	0,072 W/(m*K)

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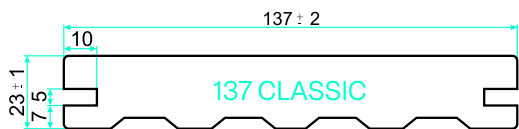
Other technical properties

Characteristics	Standard	137 Classic Rustic	195 Max Rustic	140 Infnit Rustic
Antistatic properties	ČSN EN 1815	0,22/0,17 kV – pass	0,22/0,17 kV – pass	0,22/0,17 kV – pass
Migration of certain elements (Category III)	ČSN EN 71-3+A1	pass	pass	pass
Formaldehyde emissions	ČSN EN 717-1	< 0.028 mg/m ³ pass	< 0.028 mg/m ³ pass	< 0.028 mg/m ³ pass



DECKING TERAFFEST
SMOOTH TEXTURE

PROFILES WITH SMOOTH TEXTURE



PROPERTIES

profile	dimensions	stock length	custom length	weight
137 Classic	137 × 23 mm	4 m	2 - 6 m	3,4 kg/lm

Dimensional tolerance: length +/- 10 mm; width +/- 2 mm; thickness +/- 1 mm.

COLOUR OPTIONS



The colour variants marked **+** have a unique color annealing, which breaks up the color monotony in the area and adds to the attractiveness of the decking.

SMOOTH TEXTURE

TECHNICAL PROPERTIES



Technical properties according to ETA 23/0919*

Basic characteristics	Standard	137 Classic Smooth
Reaction to fire	ČSN EN 13501-1	C _{fi} -s1
Swelling in thickness	ČSN EN 317	2,4 %
Water absorption	ČSN EN 317	3 %
Bending strength	ČSN EN 310	28,6 MPa
Modulus of elasticity	ČSN EN 310	5114 Mpa
Impact strength	ČSN EN 477	20 J – pass
Slipperiness Dry (parallel/perpendicular)	ČSN P CEN/TS 15676	72/85
Slipperiness Wet (parallel/perpendicular)	ČSN P CEN/TS 15676	57/65
Pull-through strength of the fasteners	ČSN EN 1383	2,71 MPa
Moisture resistance under cyclic conditions (decrease in strength and modulus of elasticity)	ČSN EN 321	6 % 14,1 %
UV radiation resistance – before ageing – after ageing (1000h)	EN ISO 4892-2	2,58 kJ/m ² 2,61 kJ/m ²
Thermal expansion +30 až +80 °C	EAD čl.2.2.10	2,57*10 ⁻⁵ %
Surface hardness	ČSN EN 1534	63 N/mm ²
Density	ČSN EN ISO 1183-1	1,21-1,24 g/cm ³
Thermal conductivity	ČSN EN 12667	0,072 W/(m*K)

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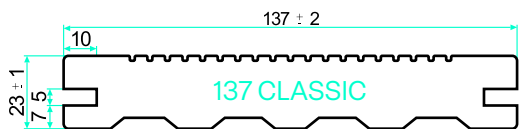
Other technical properties

Characteristics	Standard	137 Classic Smooth
Antistatic properties	ČSN EN 1815	0,22/0,17 kV – pass
Migration of certain elements (Category III)	ČSN EN 71-3+A1	pass
Formaldehyde emissions	ČSN EN 717-1	< 0.028 mg/m ³ pass



DECKING TERAFFEST GROOVE TEXTURE

PROFILES WITH GROOVE TEXTURE

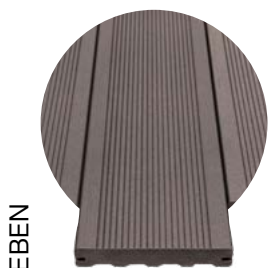
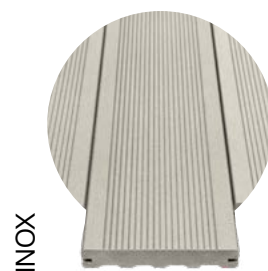
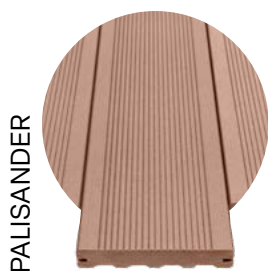


PROPERTIES

profile	dimensions	stock length	custom length	weight
137 Classic	137 × 23 mm	4 m	2 - 6 m	3,4 kg/lm

Dimensional tolerance: length +/- 10 mm; width +/- 2 mm; thickness +/- 1 mm.

COLOUR OPTIONS



GROOVE TEXTURE

TECHNICAL PROPERTIES



Technical properties according to ETA 23/0919*

Basic characteristics	Standard	137 Classic Groove
Reaction to fire	ČSN EN 13501-1	C _{fi} -s1
Swelling in thickness	ČSN EN 317	2,4 %
Water absorption	ČSN EN 317	3 %
Bending strength	ČSN EN 310	28,6 MPa
Modulus of elasticity	ČSN EN 310	5114 Mpa
Impact strength	ČSN EN 477	20 J – pass
Slipperiness Dry (parallel/perpendicular)	ČSN P CEN/TS 15676	80/98
Slipperiness Wet (parallel/perpendicular)	ČSN P CEN/TS 15676	52/72
Pull-through strength of the fasteners	ČSN EN 1383	2,71 MPa
Moisture resistance under cyclic conditions (decrease in strength and modulus of elasticity)	ČSN EN 321	6 % 14,1 %
UV radiation – before ageing resistance – after ageing (1000h)	EN ISO 4892-2	2,58 kJ/m ² 2,61 kJ/m ²
Thermal expansion +30 až +80 °C	EAD čl.2.2.10	2,57*10 ⁻⁵ %
Surface hardness	ČSN EN 1534	30 N/mm ²
Density	ČSN EN ISO 1183-1	1,21-1,24 g/cm ³
Thermal conductivity	ČSN EN 12667	0,072 W/(m*K)

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Other technical properties


Characteristics	Standard	137 Classic Groove
Antistatic properties	ČSN EN 1815	0,22/0,17 kV – pass
Anti-slip classification	DIN 51130	R11
Migration of certain elements (Category III)	ČSN EN 71-3+A1	pass
Formaldehyde emissions	ČSN EN 717-1	< 0.028 mg/m ³ pass







TERAFEST DECKING ACCESSORIES

AL-SMART SYSTEM





JOISTS

			
Product	AL-SMART joist 25	AL-SMART joist 40	AL-SMART joist 75
Dimensions	35 × 25 mm	40 × 40 mm	40 × 75 mm
Length	4 m	4 m	4 m
Material	aluminium	aluminium	aluminium
Underlying	400 mm	600 mm	1000 mm





CLIPS

				
Product	AL-SMART STANDARD CLIP	AL-SMART START CLIP 7 mm	AL-SMART CLIP ROTATING A (for profiles 137 Classic, 195 Max)	AL-SMART CLIP ROTATING B (for profile 140 Infit)
Material	plastic	spring steel	stainless steel	stainless steel

COUPLING AND ANGLES




				
Product	AL-SMART joist coupling 25	AL-SMART joist coupling 40	AL-SMART joist coupling 75	AL-SMART coupling angle
Material	aluminium	aluminium / stainless steel	aluminium / stainless steel	aluminium / stainless steel

AL-SMART ADDITIONAL ACCESSORIES

				
Product	AL-SMART NUT FOR BOTH SIDED CLIP 140 Infit (1/2)	AL-SMART SCREW FOR BOTH SIDED CLIP 140 Infit (2/2)	CLICK CLIP START A4 7 mm	CLIP START A2 - black
Material	stainless steel	stainless steel	stainless steel	stainless steel

DECKING ACCESSORIES

JOISTS





			
Product	joist	joist	AL-BLACK joist
Dimensions	50 × 30 mm	50 × 50 mm	35 × 50 mm
Length	4 m	4 m / 3 m	4 m
Material	WPC	WPC	aluminium
Underlaying	150 mm	300 mm	800 mm

COUPLING

	
Product	AL-BLACK joist coupling 50
Material	aluminium

CLIPS






FOR PROFILES 137 CLASSIC AND 195 MAX

	Product	Material
	STANDARD CLIP A4	stainless steel
	START CLIP A4	stainless steel
	CLICK CLIP START A4 7 mm	stainless steel
	START CLIP A2 - black	stainless steel
	STANDARD CLIP - black	stainless steel

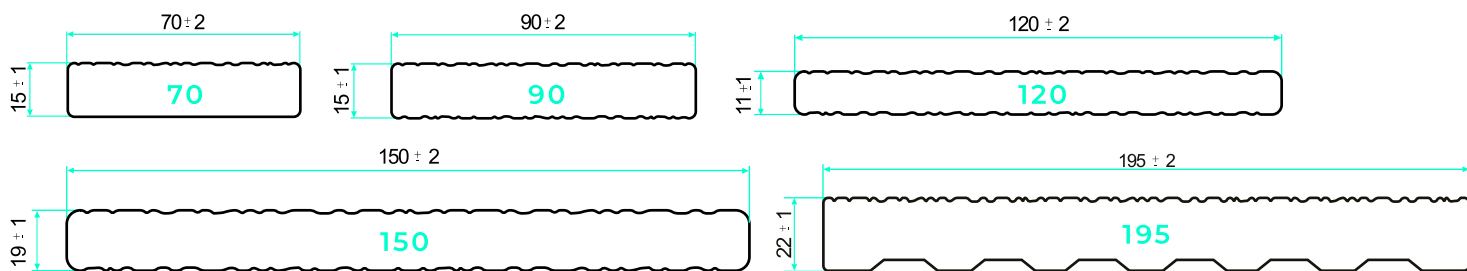
FOR PROFILE 140 INFINIT

	Product	Material
	DOUBLESIDED CLIP A2 / A4 3 mm	stainless steel
	DOUBLESIDED CLIP A4 5 mm	stainless steel
	START CLIP A4	stainless steel
	START CLIP A2 - black	stainless steel
	AL-BLACK STANDARD CLIP UNI	plastic
	AL-BLACK STANDARD CLIP PRO	plastic
	AL-BLACK FIXATION POINT A2	stainless steel

SCREWS

					
Product	stainless steel screw A4 for finishing board 4,0 × 60 mm	stainless steel screw A4 3,5 × 25 mm (for clip for WPC joist)	stainless steel screw A4 3,5 × 35 mm (for clip for WPC joist)	stainless steel screw A2 TEX 3,9 × 16 mm	stainless steel screw A2 TEX 3,9 × 25 mm
Material	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel

FINISHING BOARDS



profile	dimensions	texture	length	weight
Finishing board 70	70 × 16 mm	FOREST / SMOOTH	2 m	1,4 kg/lm
Finishing board 90	90 × 16 mm	FOREST / SMOOTH *	2 m	1,7 kg/lm
Finishing board 90	90 × 16 mm	FOREST / RUSTIC NEW	2 m	1,7 kg/lm
Finishing board 120	120 × 11 mm	FOREST / RUSTIC *	3 m	1,7 kg/lm
Finishing board 120	120 × 11 mm	FOREST / NATUR NEW	3 m	1,7 kg/lm
Finishing board 150	150 × 19 mm	FOREST / RUSTIC	4 m	3,4 kg/lm
Finishing board 195	195 × 22 mm	FOREST	4 m	4,7 kg/lm

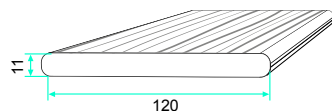
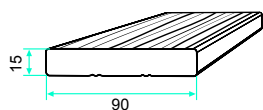


* Sale of stock 2025



TERAFEST FENCES

FENCES PROFILES

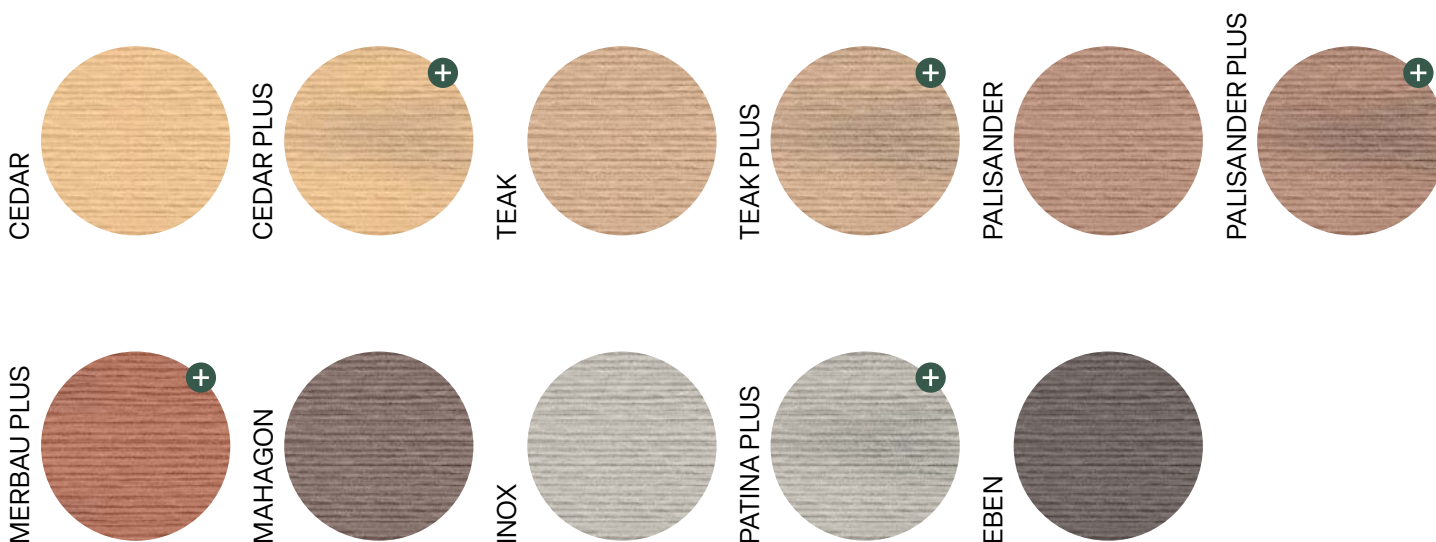


PROPERTIES

profile	texture	dimensions	stock length	custom length	weight
Fence 90* basic colour	FOREST/FOREST	90 × 15 mm	-	1,0 – 3,6 m	1,65 kg/lm
Fence 120 basic colour	FOREST/FOREST	120 × 11 mm	-	1,0 – 3,6 m	1,65 kg/lm
Fence 120 PLUS colour	FOREST/FOREST	120 × 11 mm	3,6 m	1,0 – 3,6 m	1,65 kg/lm
Fence 120 basic colour	NATUR/FOREST	120 × 11 mm	-	1,0 – 3,6 m	1,65 kg/lm
Fence 120 PLUS colour	NATUR/FOREST	120 × 11 mm	-	1,0 – 3,6 m	1,65 kg/lm

* Fence profile 90 is not available in colour options marked **+**
Dimensional tolerance: length +/- 10 mm; width +/- 2 mm; thickness +/- 1 mm.

COLOUR OPTIONS



The colour variants marked **+** have a unique color annealing, which breaks up the color monotony in the area and adds to the attractiveness of the fences.

Technical properties of the TERAFFEST® Fence 90 and 120 profile

Basic characteristics	Property	Standard
Max. distance of supports	800mm	
Swelling in thickness	2,6 %	ČSN EN 317
Water absorption	3,1%	ČSN EN 317
Shrinkage after heat stress	0%	ČSN EN 479-2018
Impact resistance 23°C and -10°C	10 J – pass	ČSN EN 477
Cadmium content	>1 mg/kg	
Thermal expansion +30 up to +80 °C	$2,57 \cdot 10^{-5} \text{ K}^{-1}$	
Surface hardness	91 N/mm ²	
Density	1,21-1,24 g/cm ³	
Thermal conductivity	0,072 W/(m*K)	

PROFILES



150 PANEL



45 MINISTAR 90 STAR



90 RHOMBA



50 BONE
50 MINIBONE

SURFACES



FOREST



SMOOTH
unbrushed



SMOOTH
unbrushed



SMOOTH
unbrushed



SMOOTH
brushed



SMOOTH
brushed



SMOOTH
brushed



RUSTIC



RUSTIC

COLOURS



Cedar



Cedar



Cedar



Cedar



Teak



Teak



Teak



Teak



Palisander



Palisander



Palisander



Palisander



Mahagon



Mahagon



Mahagon



Mahagon



Inox



Inox



Inox



Inox



Eben



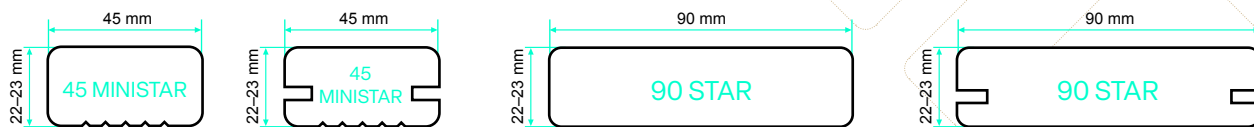
Eben



TERAFEST® FACADE
45 MINISTAR, 90 STAR

PROFILE

Facade profiles 90 STAR and 45 MINISTAR are flat full cladding products made of TERAFFEST® material. Its can be used vertically or horizontally and combined with each other. Its minimalist design allows you to create smooth and elegant facades with a variable gap between the individual profiles, which can achieve an interesting visual effect. The products are supplied in a variant with a straight edge or with a groove for a clip. This groove is fully compatible with the grooves on TERAFFEST® decking boards.



PROPERTIES

profile	dimension	length	weight
90 STAR	90 × 23* mm	2 – 4 m	2,5 kg/lm
90 STAR (with groove)	90 × 23* mm	2 – 4 m	2,4 kg/lm
45 MINISTAR	45 × 23* mm	2 – 4 m	1,25 kg/lm
45 MINISTAR (with groove)	45 × 23* mm	2 – 4 m	1,15 kg/lm

*Variant with surface RUSTIC 22 mm, variant with surface SMOOTH 23 mm

SURFACES & COLOURS

Both profiles are available in 3 variants of surfaces. The basic variant is the brushed RUSTIC surface. Its surface and colour match the TERAFFEST® decking boards. The second option is brushed SMOOTH surface. The third option is the unbrushed SMOOTH surface, in which the full shades of TERAFFEST® colours stand out.

The underside of the 45 MINISTAR has unbrushed fine grooves.



The 90 STAR and 45 MINISTAR façade profiles are available in the following colours.



45 MINISTAR, 90 STAR

TECHNICAL PROPERTIES

Application and certified properties

The use of 90 STAR and 45 MINISTAR products and their certification is set up as façade cladding elements of the perimeter walls. They fully comply with the European standard for cladding WPC elements ČSN EN 15534-5 and its can also be used abroad in projects in the EU. The test procedures are based on the ČSN EN 15534-1+A1 standard and related standards.

CONSTRUCTION TECHNICAL APPROVAL

Properties	Standard	Value
Shrinkage after thermal stress	ČSN EN 479	0 %
Impact resistance from falling weights / Impact strength	ČSN EN 477	Intact
Reaction to fire	EN 13501-1 EN 11925-2	E
Sweling	ČSN EN 317	Average values: Individual values: ≤ 10% in thickness ≤ 12% in thickness ≤ 1.5% in wide ≤ 2.0% in width ≤ 0.6 % in length ≤ 1.2 % in length
Water absorption	ČSN EN 317	Average ≤ 8.0% by weight Individual Values ≤ 10.0% by weight
Bending properties – deflection at 250 N	ČSN EN 321	≤ 5 mm
Bending properties – deflection at 250 N after cyclic load	ČSN EN 321	≤ 6 mm
Cadmium content	Expert test method	< 1 mg / 1 kg
UV resistance (before/after aging)		2,58 kJ/m ² /2,61 kJ/m ²

Test results from the Construction Technical Certificate in accordance with the Declaration of Conformity according to §7 Government Order 163/2002 Coll.

Other features

Properties	Standard	Value
Density	EN ISO 1183-1	1,21-1,24 g/cm ³
STAR/MINISTAR resistance to screw pullout Fmax (FASADO screw 4.2 × 28 mm TEX)	ČSN EN 1382	1,266 KN

Extended fire properties

Parameter	Standard	Value
Gross calorific value	ČSN EN ISO 1716	27,094 MJ/kg

Calculated values of the heat released in a fire

Gap between profiles	Heat released in a fire		Fire openness of the area
	90 Star	45 Ministar	
6 mm	706 MJ.m ²	664 MJ.m ²	Completely fire-open
13 mm	658 MJ.m ²	584 MJ.m ²	
17 mm	608 MJ.m ²	503 MJ.m ²	
30 mm	542 MJ.m ²	415 MJ.m ²	

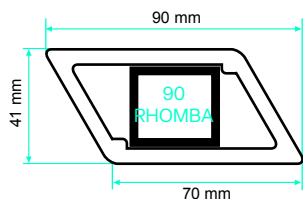
Furthermore, an extended static calculation of the variable wind load according to Eurocode 1 with adaptation for the Czech Republic (ČSN EN 1991-1-4) was performed. This calculation and application manual is available on request for the project preparation of larger buildings.



TERAFEST® FACADE 90 RHOMBA

PROFILE

The 90 RHOMBA product is a lightweight, thin-walled profile made of TERAFFEST® composite material. It has many uses. It can be used as a cladding profile for building facades, but also as an element of partial shading of the façade and terrace. It has also been certified as a balcony infills.



PROPERTIES

profile	dimension	length	weight
90 RHOMBA	90(70) × 41 mm	1 – 3 m	1,9 kg/lm

SURFACES & COLOURS

The profile is available in 3 variants of surfaces. The basic variant is the brushed RUSTIC surface. This surface and its colour match the TERAFFEST® decking boards. The second option is brushed SMOOTH surface. The third option is the unbrushed SMOOTH surface, in which the full shades of TERAFFEST® colours stand out.

The underside and sides of 90 RHOMBA are always in SMOOTH unbrushed finish.

RUSTIC



SMOOTH BRUSHED



SMOOTH UNBRUSHED



90 RHOMBA façade profiles are available in the following colours.

CEDAR



TEAK



PALISANDER



MAHAGON



INOX



90 RHOMBA

TECHNICAL PROPERTIES

Application and certified properties

The product 90 RHOMBA is used as a façade cladding element, as a sunshade and as a balcony filling. The certified properties are based on ČSN EN 15534-5 and the STO was issued according to the Czech national standard ČSN 74 3305 as a balcony railing infill (in accordance with the Prague Building Regulations 2024).

CONSTRUCTION TECHNICAL APPROVAL

Properties	Standard	Value
Shrinkage after thermal stress	ČSN EN 479	0 %
Impact resistance from falling weights / Impact strength	ČSN EN 477	Intact
Reaction to fire	EN 13501-1 EN 11925-2	E
Sweling	ČSN EN 317	Average values: Individual values: ≤ 10% in thickness ≤ 12% in thickness ≤ 1.5% in wide ≤ 2.0% in width ≤ 0.6 % in length ≤ 1.2 % in length
Water absorption	ČSN EN 317	Average ≤ 8.0% by weight Individual Values ≤ 10.0% by weight
Cadmium content	Expert test method	< 1 mg / 1 kg
UV resistance (before/after aging)		2,58 kJ/m ² /2,61 kJ/m ²
Impact resistance (railing infill with a gap of 80 mm, railing height 1100 mm, used for railings protecting against falling to a depth of 30 m)	ČSN 74 3305	without puncture

Test results from the Construction Technical Certificate in accordance with the Declaration of Conformity according to §7 Government Order 163/2002 Coll.

Extended fire properties

Parameter	Standard	Value
Gross calorific value	ČSN EN ISO 1716	27,094 MJ/kg

Calculated values of the heat released in a fire

Gap between profiles	Heat released in a fire	Fire openness of the area
30 mm	379 MJ.m ²	Fully open
50 mm	316 MJ.m ²	Partially open
50 mm (vertically installation)	391 MJ.m ²	Fully open

Furthermore, an extended static calculation of the variable wind load according to Eurocode 1 with adaptation for the Czech Republic (ČSN EN 1991-1-4) was performed. This calculation and application manual is available on request for the project preparation of larger buildings.

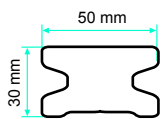


TERAFEST® FACADE
50 BONE, 50 MINIBONE

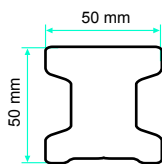
PROFILE

The 50 BONE and 50 MINIBONE products are universal decorative products, usable e.g. as sunshades and balcony panels. Its fully coloured and their composition fully corresponds to TERAFFEST® products.

50 MINIBONE



50 BONE



PROPERTIES

profile	dimension	length	weight
50 BONE	50 × 50 mm	2 – 4 m	2,3 kg/lm
50 MINIBONE	50 × 30 mm	2 – 4 m	1,4 kg/lm

SURFACES & COLOURS

Profiles are supplied only with smooth surface, without emboss, i.e. in the SMOOTH surface finish. All sides of the product are SMOOTH unbrushed. Only brushing of the upper side of the profiles (SMOOTH brushed) is possible. The underside of the profile has a shallow „cutout“. However, this part is also fully coloured.

SMOOTH BRUSHED



SMOOTH UNBRUSHED



The 50 BONE and 50 MINIBONE profiles are available in the following colours.



50 BONE, 50 MINIBONE

TECHNICAL PROPERTIES

Application and certified properties

The profiles are used as sunshades and balcony panels infills or decoration element. The basic technical properties are certified according to the general standard for WPC products ČSN EN 15534-1+A1. Use as balcony fillings is tested according to the national standard ČSN 74 3305 (in accordance with Prague Building Regulations 2024).

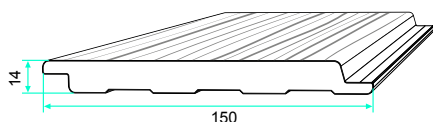
TECHNICAL parameters

Properties	Standard	Value
Shrinkage after thermal stress	ČSN EN 479	0 %
Reaction to fire	EN 13501-1 EN 11925-2	E
Swelling	ČSN EN 15534-1+A1, čl.8.3.1.	Average values: Individual values: ≤ 10% in thickness ≤ 12% in thickness ≤ 1.5% in wide ≤ 2.0% in width ≤ 0.6 % in length ≤ 1.2 % in length
Water absorption	ČSN EN 15534-1+A1, čl.8.3.1.	Average ≤ 8.0% by weight Individual Values ≤ 10.0% by weight
Density	EN ISO 1183-1	1,21-1,24 g/cm ³
Cadmium content	Expert test method	< 1 mg / 1 kg
UV resistance (before/after aging)		2,58 kJ/m ² /2,61 kJ/m ²
Impact resistance (railing infill with 80 mm gap, railing height 1100 mm, use for railings protecting against falling to a depth of 30 m) - only for profile 50 BONE	ČSN 74 3305	without puncture



TERAFEST® FACADE
150 PANEL

PROFILE



PROPERTIES

profile	surface	dimension	standard length	weight
PROFIL 150 PANEL	FOREST	150 × 14 mm	3,3 m	2,1 kg/lm

Dimensional tolerances: length +/- 10 mm, width +/- 2 mm, thickness +/- 1 mm.

COLOURS

CEDAR



TEAK



PALISANDER



MAHAGON



INOX



EBEN



150 PANEL

TECHNICAL PROPERTIES

Application and certified properties

The products have been certified as wall cladding profiles, according to ČSN EN 15534-5 and can be used in the Czech Republic and throughout the EU.

CONSTRUCTION TECHNICAL APPROVAL

Parameter	Standard	Value
Maximum support spacing under load 250 N		500 mm
Reaction to fire	ČSN EN ISO 11925-2	E, E _{fl}
Swelling	ČSN EN 317	2,6 %
Water absorption	ČSN EN 317	3,1 %
Shrinkage after thermal stress	ČSN EN 479-2018	0%
Impact resistance 23 °C a -10 °C	ČSN EN 477	10 J – pass
Deflection under load 250N	ČSN EN 15534-1	4,33 mm
Deflection under load of 250N after cyclic moisture stress	ČSN EN 15534-1	5,02 mm
Cadmium content		>1 mg/kg

Other Properties

Parameter	Standard	Hodnota
Thermal expansion +30 až +80 °C		2,57*10 ⁻⁵ K ⁻¹
Surface hardness		91 N/mm ²
Density	EN ISO 1183-1	1,21-1,24 g/cm ³
Thermal conductivity	EN ISO 22007-2	0,072 W/(m*K)