



FACADES TERAFEST®
PRODUCT CATALOGUE

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PROFILES



150 PANEL

45 MINISTAR

90 STAR

90 RHOMBUS

174 NOVA SE

219 LAMELLA SE

TEXTURES



FOREST



SMOOTH
unbrushed



SMOOTH
unbrushed



TIMBER



FIBER



SMOOTH
brushed



SMOOTH
brushed



RUSTIC



RUSTIC

COLOURS



Cedar



Cedar



Cedar



Honey



Honey



Teak



Teak



Teak



Stone



Stone



Palisander



Palisander



Palisander



Cherry



Cherry



Mahagon



Mahagon



Mahagon



Moon



Moon



Inox



Inox



Inox



Eben



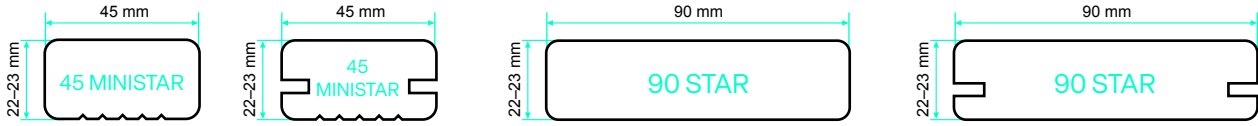
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TERAFEST® FACADES
45 MINISTAR, 90 STAR

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.



FEATURES

profile	dimensions	stock 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

*in the RUSTIC texture variant 22 mm, in the SMOOTH variant 23 mm

TEXTURES AND COLOURS

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

The underside of the 45 MINISTAR has unbrushed fine grooves.



Facade profiles 90 STAR and 45 MINISTAR are supplied in these colors.



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 EN 15534-5 and its can also be used abroad in projects in the EU. The test procedures are based on the EN 15534-1+A1 standard and related standards.

CONSTRUCTION TECHNICAL APPROVAL

Properties	Standard	Value
Shrinkage after thermal stress	EN 479	0 %
Impact resistance from falling weights / Impact strength	EN 477	Intact
Reaction to fire	EN 13501-1 EN 11925-2	E
Sweling	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	EN 317	Average ≤ 8.0% by weight Individual Values ≤ 10.0% by weight
Bending properties – deflection at 250 N	EN 321	≤ 5 mm
Bending properties – deflection at 250 N after cyclic load	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)	EN 1382	1,266 KN

Extended fire properties

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

Calculated values of the heat released in a fire

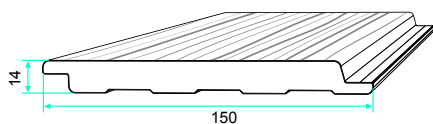
Gap between profiles	Heat released in a fire		Fire openness of the area
	90 Star	45 Ministar	
6 mm	706 MJ.m ²	664 MJ.m ²	Completely fire-open
13 mm	658 MJ.m ²	584 MJ.m ²	
17 mm	608 MJ.m ²	503 MJ.m ²	
30 mm	542 MJ.m ²	415 MJ.m ²	

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



TERAFEST[®] FACADES
150 PANEL

PROFILE



PROPERTIES

profile	texture	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



150 PANEL

TECHNICAL PROPERTIES

Application and certified properties

The products have been certified as wall cladding profiles, according to 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	EN ISO 11925-2	E, E _{fl}
Swelling	EN 317	2,6 %
Water absorption	EN 317	3,1 %
Shrinkage after thermal stress	EN 479-2018	0%
Impact resistance 23 °C a -10 °C	EN 477	10 J – pass
Deflection under load 250N	EN 15534-1	4,33 mm
Deflection under load of 250N after cyclic moisture stress	EN 15534-1	5,02 mm
Cadmium content		>1 mg/kg

Other Properties

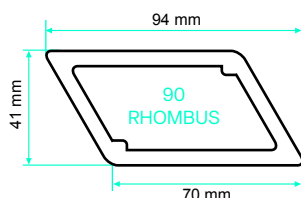
Parameter	Standard	Value
Thermal expansion +30 až +80 °C		2,57*10 ⁻⁵ K ⁻¹
Surface hardness		91 N/mm ²
Density	EN ISO 1183-1	1,21-1,24 g/cm ³
Thermal conductivity	EN ISO 22007-2	0,072 W/(m*K)



TERAFEST® FACADES 90 RHOMBUS

PROFILE

The 90 RHOMBUS 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. For better installation, it is possible to use a similar profile with aluminum reinforcement (90 RHOMBA). Thanks to the aluminum reinforcement, concealed installation is also possible. The 90 RHOMBUS profile without reinforcement is anchored only with a screw through (the screw head is visible). More information in the Installation Instructions.



PROPERTIES

profile	dimension	length	weight
90 RHOMBUS	94(70) × 41 mm	1 – 3 m	1,35 kg/lm

TEXTURES & COLOURS

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

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

RUSTIC



SMOOTH BRUSHED



SMOOTH UNBRUSHED



90 RHOMBUS facade profiles are available in the following colours.

CEDAR



TEAK



PALISANDER



MAHAGON



INOX



EBEN



90 RHOMBUS

TECHNICAL PROPERTIES

Basic properties

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

Extended fire properties

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

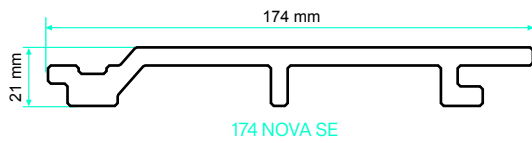
Gap between profiles	Heat released in a fire	Fire openness of the area
30 mm	379 MJ.m ²	Fully open
50 mm	316 MJ.m ²	Partially open
50 mm (vertically installation)	391 MJ.m ²	Fully open



FACADES TERAFEST® SE
174 NOVA SE

PROFILE WITH TIMBER TEXTURE

The TIMBER texture is formed by a protective plastic layer around the entire profile (co-extruded part of the wood-plastic composite).



PROPERTIES

profile	dimension	length	weight
174 Nova SE	174 × 21 mm	3,6 m	1,96 kg/lm

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

COLOUR OPTIONS

All colors already have color annealing in the base.



TECHNICAL PROPERTIES

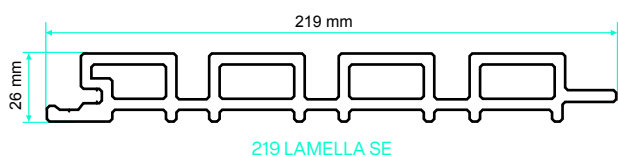
Properties	Standard	174 Nova SE
Reaction to fire	EN 13501-1	E
Maximum support distance	EN 15534-5	500 mm



FACADES TERAFEST® SE
219 LAMELLA SE

PROFILE WITH FIBER TEXTURE

The FIBER texture has a special protective layer around the entire profile (co-extruded part of the wood-plastic composite).



PROPERTIES

profile	dimension	length	weight
219 Lamella SE	219 × 26 mm	3,6 m	2,81 kg/lm

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

COLOUR OPTIONS

All colors already have color annealing in the base.



TECHNICAL PROPERTIES

Properties	Standard	219 Lamella SE
Reaction to fire	EN 13501-1	E
Maximum support distance	EN 15534-5	800 mm