



SUNSHADES TERAFFEST®  
PRODUCT CATALOGUE

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90 RHOMBA	4
50 BONE, 50 MINIBONE	7

### PROFILES



90 RHOMBA



50 BONE



50 MINIBONE

### TEXTURES



SMOOTH  
unbrushed



SMOOTH  
unbrushed



SMOOTH  
unbrushed



SMOOTH  
brushed



SMOOTH  
brushed



SMOOTH  
brushed



RUSTIC

### COLOURS



Cedar



Cedar



Cedar



Teak



Teak



Teak



Palisander



Palisander



Palisander



Mahagon



Mahagon



Mahagon



Inox



Inox



Inox



Eben



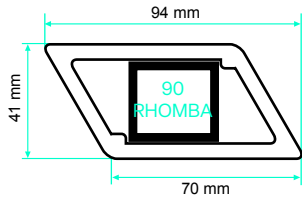
Eben



# TERAFEST® SUNSHADES 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 facade and terrace. It has also been certified as a balcony infills.



## PROPERTIES

profile	dimension	length	weight
90 RHOMBA	94(70) × 41 mm	1 – 3 m	1,9 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 RHOMBA are always in SMOOTH unbrushed finish.

RUSTIC



SMOOTH BRUSHED



SMOOTH UNBRUSHED



90 RHOMBA sunshade profiles are available in the following colours.

CEDAR



TEAK



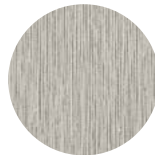
PALISANDER



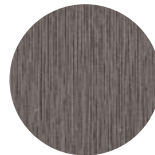
MAHAGON



INOX



EBEN



# 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 EN 15534-5 and the STO was issued according to the Czech national standard EN 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	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
Cadmium content	Expert test method	< 1 mg / 1 kg
UV resistance (before/after aging)		2,58 kJ/m <sup>2</sup> /2,61 kJ/m <sup>2</sup>
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)	EN 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	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 <sup>2</sup>	Fully open
50 mm	316 MJ.m <sup>2</sup>	Partially open
50 mm (vertically installation)	391 MJ.m <sup>2</sup>	Fully open

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.

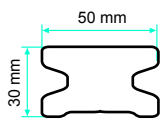


TERAFEST® SUNSHADES  
50 BONE, 50 MINIBONE

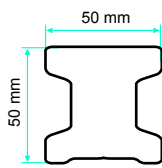
## PROFILE

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

## TEXTURES & COLOURS

Profiles are supplied only with smooth texture, without emboss, i.e. in the SMOOTH texture 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.

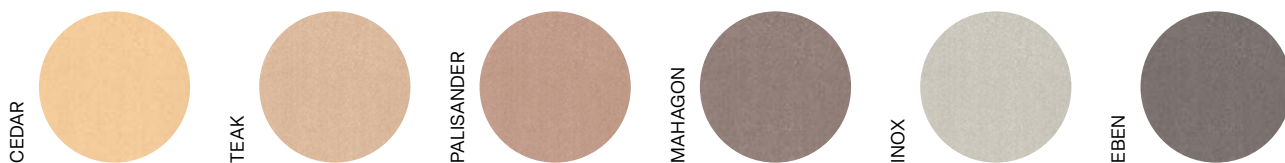
SMOOTH BRUSHED



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 EN 15534-1+A1. Use as balcony fillings is tested according to the national standard EN 74 3305 (in accordance with Prague Building Regulations 2024).

### TECHNICAL parameters

Properties	Standard	Value
Shrinkage after thermal stress	EN 479	0 %
Reaction to fire	EN 13501-1 EN 11925-2	E
Swelling	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	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 <sup>3</sup>
Cadmium content	Expert test method	< 1 mg / 1 kg
UV resistance (before/after aging)		2,58 kJ/m <sup>2</sup> /2,61 kJ/m <sup>2</sup>
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	EN 74 3305	without puncture