

MATERIAL OPTIONS

MATERIAL

DEKPROFILE products are normally manufactured from galvanized steel sheets S250GD - S320GD + Z275 or ZMA140, ranging in thickness from 0.5 mm to 1.25 mm and are coated with SP (25 micron and 35 micron) and PU (50 mm). At the customer's request, or according to the manufacturer's possibilities, the products can be manufactured from other materials (such as DX51D) and be of a different thickness.

ACCESSORIES

A part of the facade system DEKMETAL consists of additional elements without static function. These parts are the: cover profile corner, corners, frames, sheeting attics, drips, ventilation grilles and the like. The elements may be variable in shape according to the customer's wishes. For more information on the other elements of the system, please see the descriptions which are given in the separate datasheets accompanying the individual components, as well as the assembly documents. When using the DEKPROFILE range as roofing, many various kinds of finishing profiles have been made. These are: leeward rails, drip, ridge and other elements that can be found in the DEKMETAL catalog. All these documents (technical data sheets, assembly manuals, catalogs) can be freely downloaded from www.dekmetal.com

POLYESTER GLOSS 25 µm	tl. 0,50 mm																
	3000	3005	3009	3011	5010	5013	6005	7024	7035	8004	8017	9002	9005	9006	9007	9010	
	TR18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CR18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	TR35	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CR40	This profile in the 0.5 mm thickness cannot be produced																
TR50	Production in this thickness only after consultation with the manufacturer																

POLYESTER GLOSS 25 µm	tl. 0,63 mm										tl. 0,75 mm								
	3009	5010	7024	7035	8004	8017	9002	9006	9007	9010	3009	7035	8004	8017	9002	9006	9007	9010	
	TR18	✓	✓	✓	✓	✓	✓	✓	✓	✓	TR18	This profile in the 0.75 mm thickness cannot be produced							
	CR18	✓	✓	✓	✓	✓	✓	✓	✓	✓	CR18	✓	✓	✓	✓	✓	✓	✓	✓
	TR35	✓	✓	✓	✓	✓	✓	✓	✓	✓	TR35	✓	✓	✓	✓	✓	✓	✓	✓
CR40	✓	✓	✓	✓	✓	✓	✓	✓	✓	CR40	Production in this thickness only after consultation with the manufacturer								
TR50	✓	✓	✓	✓	✓	✓	✓	✓	✓	TR50	✓	✓	✓	✓	✓	✓	✓	✓	

POLYESTER GLOSS 25 µm	tl. 1,00 mm						
	7024	9002	9005	9006	9007	9010	
	TR18	This profile in the 1,0 mm thickness cannot be produced					
	CR18	✓	✓	✓	✓	✓	✓
	TR35	✓	✓	✓	✓	✓	✓
CR40	This profile in the 1,0 mm thickness cannot be produced						
TR50	✓	✓	✓	✓	✓	✓	

POLYESTER TEX 35 µm	tl. 0,50 mm						
	3009	6020	7024	8004	8017	9004	
	TR18	✓	✓	✓	✓	✓	✓
	CR18	✓	✓	✓	✓	✓	✓
	TR35	✓	✓	✓	✓	✓	✓
CR40	This profile in the 0.5 mm thickness cannot be produced						
TR50	Production in this thickness only after consultation with the manufacturer						

POLYURETAN 50 µm	tl. 0,50 mm					
	3009	7024	8004	8017	9005	
	TR18	✓	✓	✓	✓	✓
	CR18	✓	✓	✓	✓	✓
	TR35	✓	✓	✓	✓	✓
CR40	This profile in the 0.5 mm thickness cannot be produced					
TR50	Production in this thickness only after consultation with the manufacturer					

OTHER MATERIALS	FeZn 0,5mm	Aluzink 0,55mm	FeZn 0,60mm	FeZn 0,70mm	Al 0,80mm RAL 9006	FeZn 1,00mm	
	TR18	✓	✓	✓	✓	✓	✓
	CR18	✓	✓	✓	✓	✓	✓
	TR35	✓	✓	✓	✓	✓	✓
	CR40			✓	✓	✓	✓
TR50			✓	✓	✓	✓	

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www.dekmetal.cz



DESCRIPTION

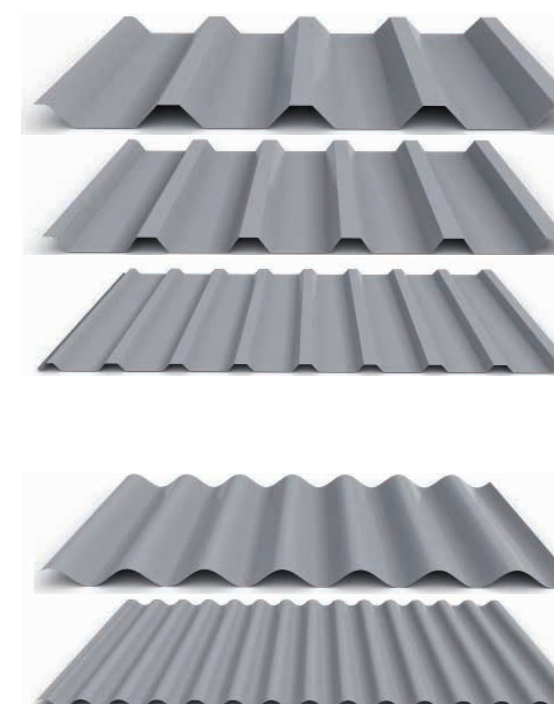


The exclusive corrugated profiles DEKPROFILE CR 18 R / W, CR 40, and the economically advantageous trapezoidal profiles TR 18 R / W, TR 35 R / W, TR 50 R / W are one of the variants of the tile facade system DEKMETAL tiled facade system, or they may be used as roof covering for pitched roofs.

The DEKMETAL facade system allows you to create attractive, economical, lightweight and durable cladding for the ventilated facades of industrial, administrative and civic buildings. When using the facade system DEKMETAL it is possible to perform thermal insulation of the facade of the building while respecting all the latest developments in thermal technology.

DEKPROFILE profiles are suitable for roofing residential commercial and industrial buildings. The shape and design solutions from DEKPROFILE profiles allow you to create, on the facade of the buildings, some architecturally interesting and regularly finely detailed areas of the surface.

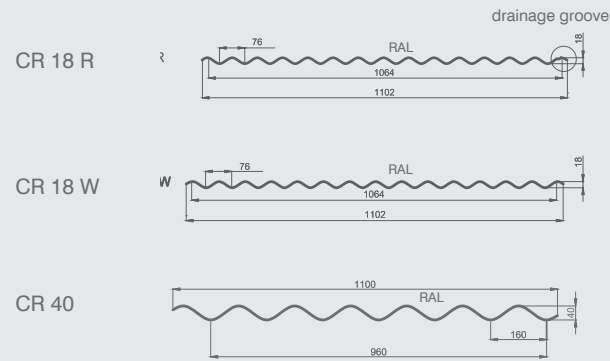
The design and material solutions from DEKPROFILE profiles, in combination with other elements of the DEKMETAL facade system, allows for a wide variety of colors and shapes of facade, while respecting the wishes of the investor and the architect regarding the building's appearance, without any major structural constraints.



PROFILE CR 18, CR 40

The DEKPROFILE CR 18 R / W and CR 40 are sinusoidal corrugated sheet metal profile sections (see diagram). They are intended to be applied to the roofing and facade shell. The basic profile overlap is about one wave (depending on the application)

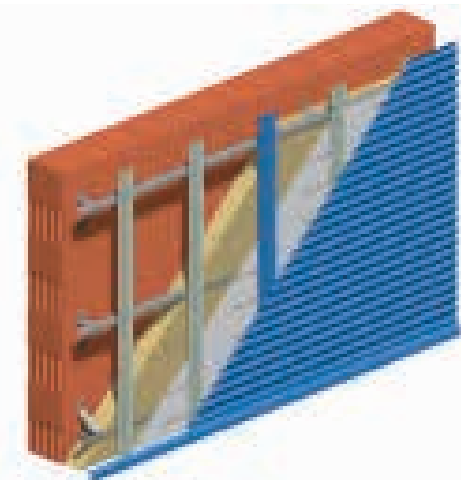
CR 18 R/W, CR 40 corrugated roof profile (R) and the wall (W)



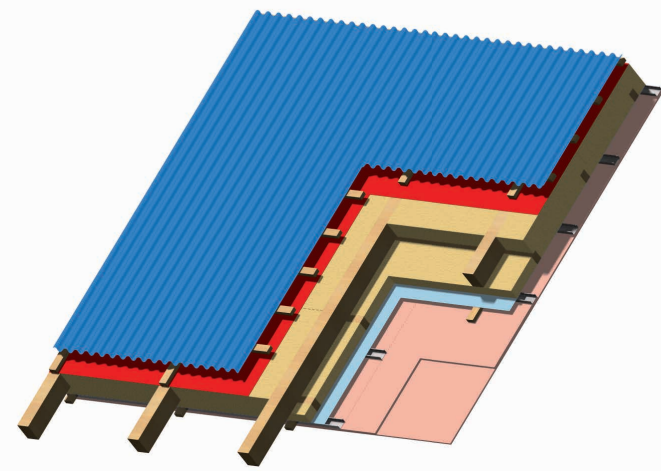
DEKPROFILE	CR 18	CR 40
Wave height	18mm	40mm
axial distance between waves	76mm	160mm
Composite width profile	1064mm	960mm
Total width profile	1102mm	1100mm
Maximum length profile ¹⁾	15000mm	9000mm
Minimum length profile	500mm	500mm
Standard material thickness ²⁾	0,5-1,0mm	0,63mm
Minimum slant of the roof ³⁾	8°	8°

- 1) Using the truck transport the max. length of the profile is 13.5 m. The recommended handling length is up to 6 m.
- 2) Some of tin thicknesses can be supplied in selected color shades only, it is necessary to priority consult the issue with the supplier.
- 3) DEKPROFILE profiles may be applied at lower roof inclinations defined, it is then necessary to discuss the case with the supplier.

The manufacturing tolerances of the individual dimensions and angles for the products listed in this data sheet are given in the internal, regularly updated Manufacturer Directive No. 00089/2004. This directive is fully consistent with the relevant product standards and established production management system ISO 9001. The specific tolerances are available upon request from the manufacturer.



Facade system



Roof system

PROFIL TR 18, TR 35, TR 50

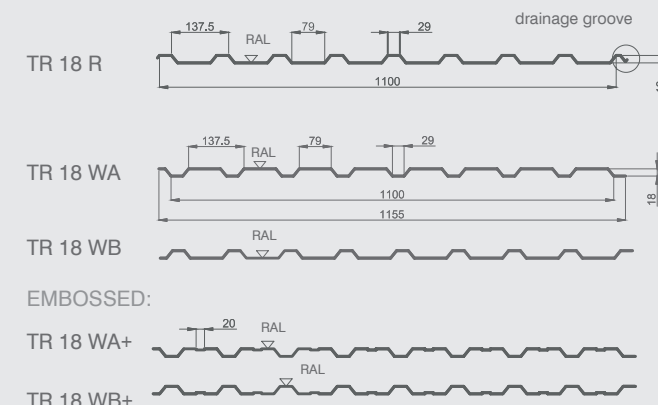
The TR 18 R / W, TR 35 R / W, TR 50 R / W DEKPROFILE TR 18, TR 35, TR 50 are trapezoidal sheet metal profiles (see diagram). They are intended for application on the roofing and facade shell. Basic profile overlap is about one wave (depending on application)

DEKPROFILE	TR 18	TR 35	TR 50
Wave height	18mm	35mm	48mm
axial distance between waves	137,5mm	207mm	262,5mm
Composite width profile	1100mm	1035mm	1050mm
Total width profile	1155mm	1070mm	1088mm
Maximum length profile ¹⁾	9000mm	15000mm	15000mm
Minimum length profile	500mm	500mm	500mm
Standard material thickness ²⁾	0,5-0,63mm	0,5-1mm	0,63-1,25mm
Minimum slant of the roof ³⁾	8°	8°	8°

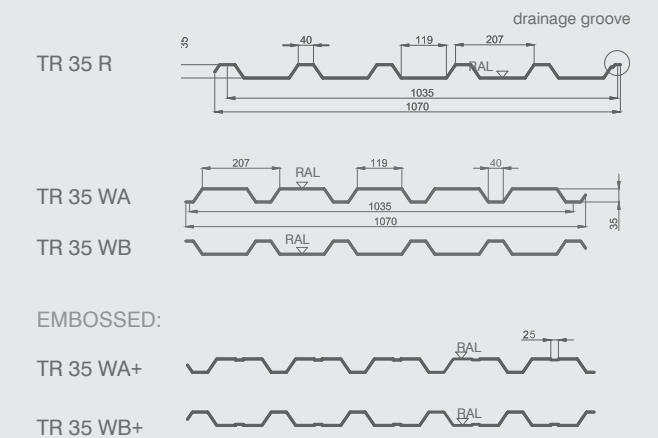
- 1) Using the truck transport the max. length of the profile is 13.5 m. The recommended handling length is up to 6 m.
- 2) Some of tin thicknesses can be supplied in selected color shades only, it is necessary to priority consult the issue with the supplier.
- 3) DEKPROFILE profiles may be applied at lower roof inclinations defined, it is then necessary to discuss the case with the supplier.

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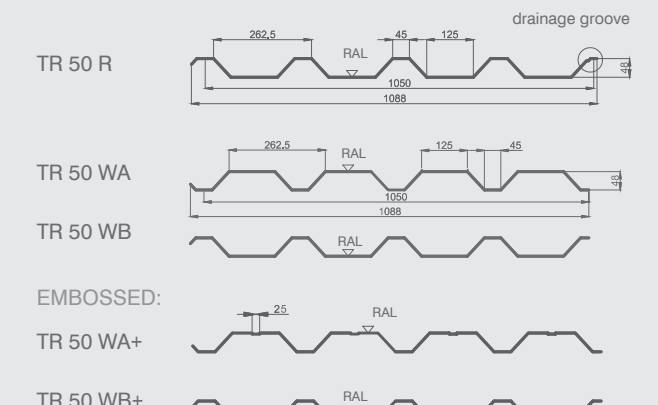
TR 18 R/W Trapezoidal profile of the roof (R) and the wall (W)



TR 35 R/W Trapezoidal profile of the roof (R) and the wall (W)

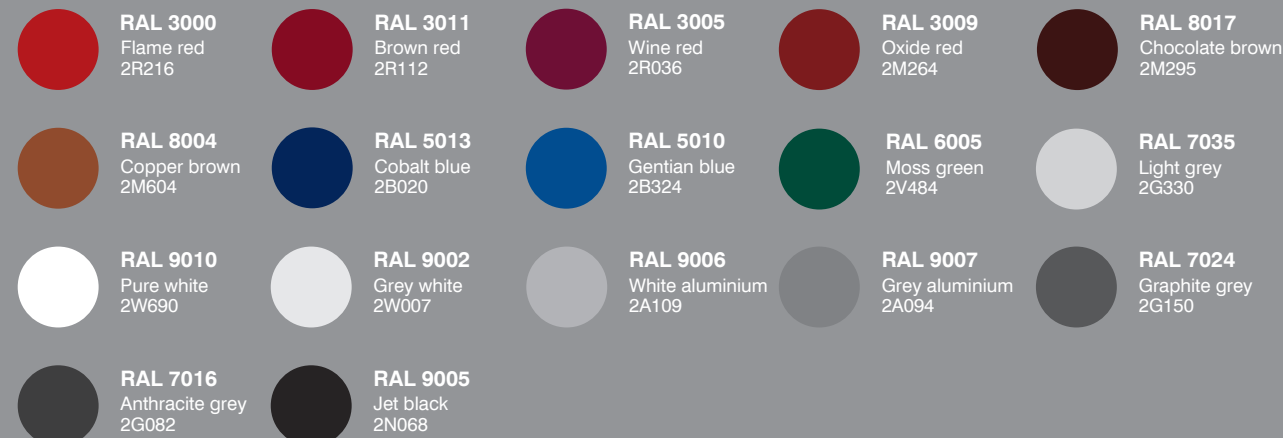


TR 50 R/W Trapezoidal profile of the roof (R) and the wall (W)

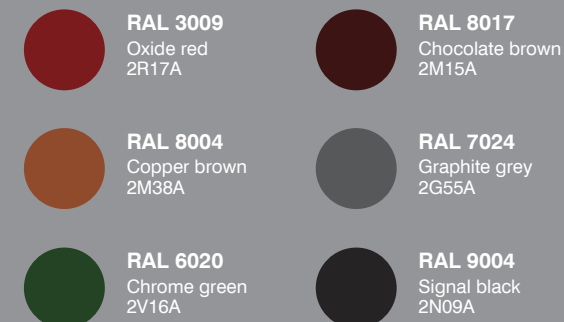


COLORS

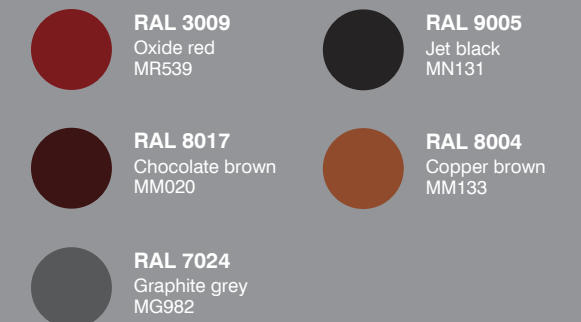
SP 25 GLOSS POLYESTER COATING 25 µm



SP 35 TEX POLYESTER COATING 35 µm



PU 50 MAX POLYURETHANE COATING + POLYAMIDE 50 µm



Production in other colors (RAL or NCS) is possible after consultation with the manufacturer/Vyobrazení mají pouze orientační charakter. The images serve as reference only. Current samplers are available from our sales representatives