

DEKLAMELLA

DEKLAMELLA®

CLADDING ELEMENT OF THE DEKMETAL FACADE SYSTEM

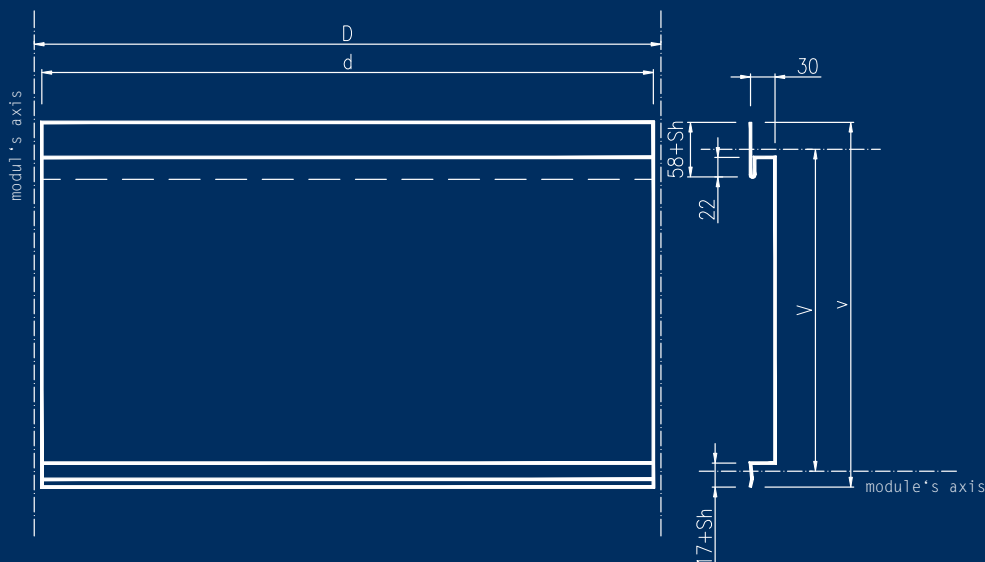
The lamella supplied under the brand name **DEKLAMELLA** represents the variation of the DEKMETAL Metal Facade System. This system makes possible to create an attractive, cost-effective, light and resistant cladding of the ventilated facades of the industry, office and civil buildings.

The form and structural design of DEKLAMELLA enable to create a plain flat square or rectangular rasters without a visible appearance of the anchorage elements what gives the facade an elegant outlook.

The broad spectrum of DEKLAMELLA types allows various modalities of the facade prospect adaptable on the specific architects' vision on advanced external cladding.

The construction and material designs offered with DEKLAMELLA and other related edging elements of the DEKMETAL façade systems enable to bring the building's outlook a wide variety of colour and forms solutions without essential construction constraints.

The design of each type of the DEKMETAL façade cladding system is adjusted to the implementation of thermal insulation matched with technical requirements on advanced thermal insulation engineering.



DEKLAMELLA

DESCRIPTION

The lamella **DEKLAMELLA** represents a rectangular element with one predominant proportion marked by the shaped profile with interlocking locks. The lamella is screwed to a bearing grid by means of catching the lower edge into the key of the already fastened lamella followed by fastening of the upper edge by screws. In order to create continuing lines the dividing T-profile or the dilatation inter-lining are to be inserted into the vertical gap between lamellas. The fastening elements are hidden. **DEKLAMELLA** can be oriented both vertically and horizontally on the wall. Its shape can have various profile forms.

A minimal horizontal gap between two lamellas is 5 mm.

SIZE OF DEKLAMELLA:

Structural length: D (mm)	$d + S_v$
Total length: d (mm)	min. 150 max. 6000
Structural height: V (mm)	min. 150 max. 450
Total height: v (mm)	$V + 55 + S_h$
Depth: (mm)	30
Horizontal gap: S_h (mm)	5 ... 50
Vertical gap: S_v (mm)	dividing T-profile or the dilatation inter-lining
Tin thickness: (mm)	0,75 (for V < 250 mm) 1,00 (for V < 450 mm)

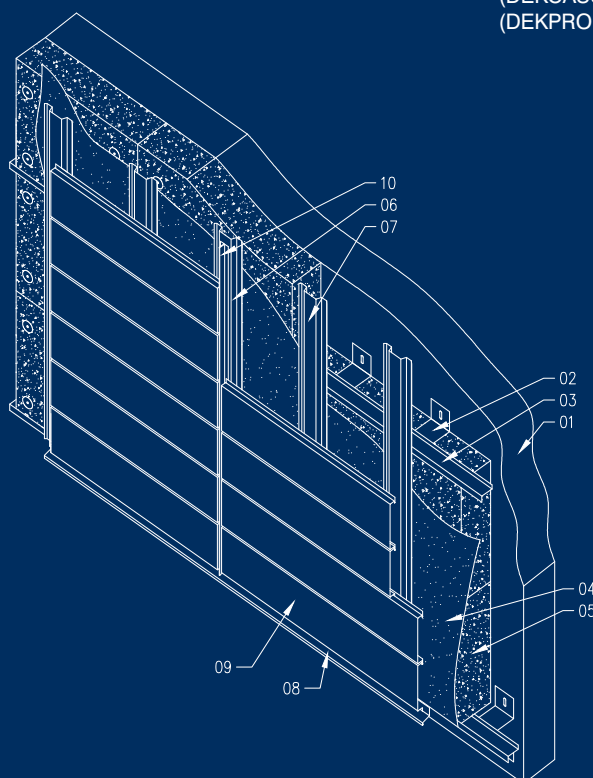
MATERIALS AND SURFACE FINISHING

Basic materials are varnished zinc-coated steel sheets (tin S250 -320GD + Z275 fitted with polyester varnish of thickness 25 and 35 μm according to the chosen type of the surface adjustments) with both glossy and matte colour shades.

There is an option to deliver also specific surface adjustments and décor like e.g. the imitated wooden stone claddings, metallic colours which may crystalically vary, or different degrees of patinated copper, titanium-zinc or corten. There is also possible to process the cassettes from non-ferrous tins (copper, aluminium, titanium-zinc) being delivered in natural, varnished or weathered fitting. These fittings give the facade cassettes very specific and in some cases unparallel appearances.

Legend:

- 01 - Bearing structure
- 02 - Suspension bracket (console)
- 03 - Profile Z50
- 04 - Diffusional open scruple against wind
- 05 - Thermal insulation from solid planks made from mineral fibres
- 06 - Varnished profile OM80
- 07 - Zinc-coated profile OM50
- 08 - Water bar
- 09 - DEKLAMELLA (DEKCASSETTE LE)
(DEKCASSETTE STANDARD)
(DEKCASSETTE SPECIAL)
(DEKPROFILE)



An integral part of the DEKMETAL facade system form also the additional elements without static functions. It's all about corners cover profiles, steel lining, flashing of attic, weather moldings, ventilation grills, etc. These elements may vary in format according to customer's requirements.

Self-supporting roofing and cladding products from metal sheets of DEKMETAL comply with the harmonised European standard EN 14782. As far as those products manufactured from steel DEKMETAL complies also with the European standard EN 508-1.

More information in detail about further system elements are contained in individual data sheets and assembly documents which can be downloaded from www.dekmetal.cz or www.dekmetal.eu free.

CONTACTS

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