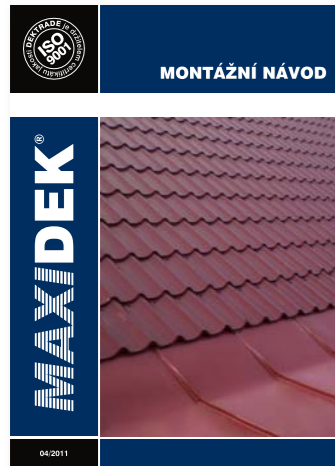


MAXIDEK

MAXIDEK



ASSEMBLY MANUAL MAXIDEK

- | | |
|---|--|
| 1. MAXIDEK roof covering | 5.1.4. Fastening |
| 2. Material and technical support | 6. Details |
| 2.1. Material | 6.1. Eave |
| 2.2. Technical specifications | 6.2. Gable edge |
| 2.3. Range of supplements | 6.3. Ventilated crown |
| 2.3.1. Additional Elements | 6.4. Unventilated crown |
| 2.4. Fastening material | 6.5. Valley |
| 3. Storage of roof covering | 6.6. Corner of roof |
| 4. Handling with roof covering | 6.7. Flashings of pervading structures |
| 4.1. Tools | 6.8. Slope modification |
| 5. Assembly procedure | 6.9. Termination at a wall parallel to the eave (unventilated) |
| 5.1. Preparation | 6.10. Connection onto roof windows |
| 5.2. Tailor-made the roof size cutting plates | 7. Assembly of supplements |
| 5.3. Base structure of the roof covering | 8. Roof composition and details of MAXIDEK roof covering, applied references |
| 5.1.3. Checking of roof size | |
| 5.3.2. Lathing | |
| 5.4. Assembly | |

SUPPORT OF MANUFACTURER:

Processing of the Laying plan

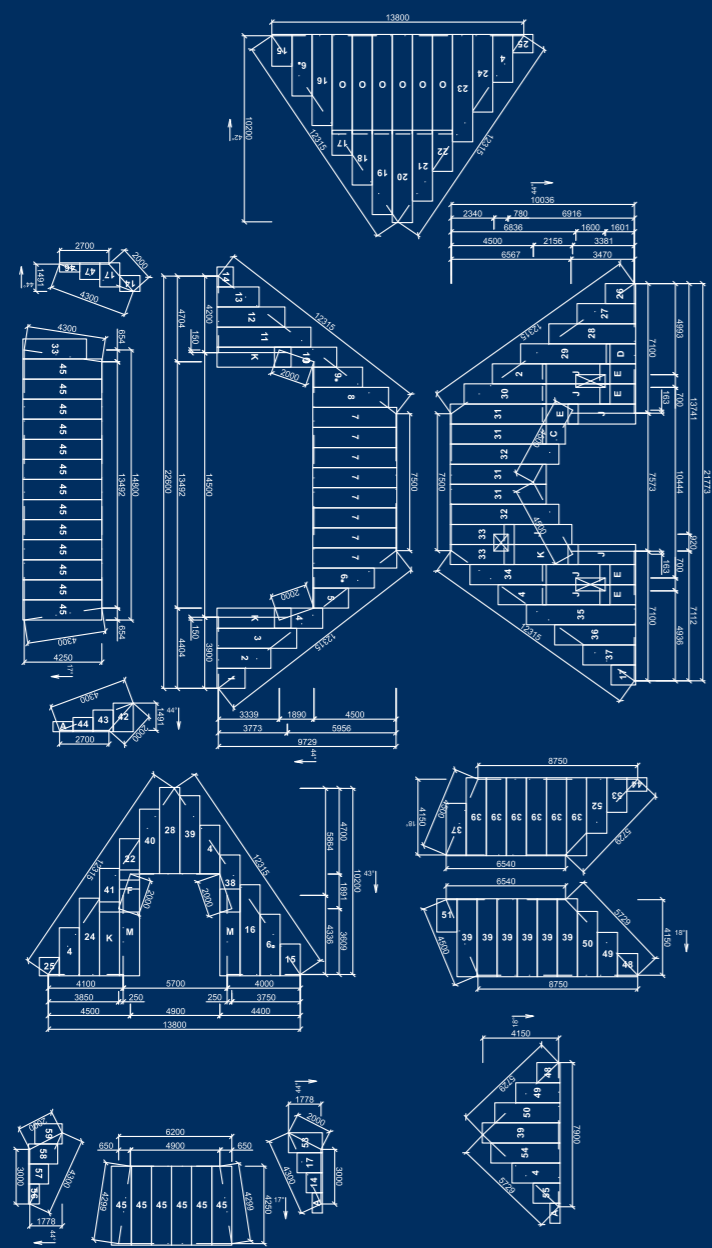
Upon request and based on the input data provided by the customer it is possible to process a laying plan for the MAXIDEK roof covering supplied by engineers assigned by DEKMETAL. It means a graphic drawing and bill of material containing all basic items of MAXIDEK roof covering for particular roof surfaces. The laying plan contains all necessary elements of the roof covering (their lengths and quantity) including fastening material. Processing of the laying plan takes max. five working days following the receipt of the background documentation. Any specific Laying plan is offered free of charge!

Technical support

The Assembly manual provides the most common roof types and passages and is intended for accurate application for MAXIDEK roof covering. Such a manual can be obtained via the e-mail contacts on Manufacturer.

WARRANTY

The 5-year warranty enjoys MAXIDEK roof covering fitted with surface finish treatment SP 25 µm, 15-year-guarantee SP 35 µm and 20-year-guarantee PU 50 µm.



ABOVE STANDARD FEATURE

MAXIDEK is a large format roof covering – characterised by profiled tile plate imitating the appearance of usual tiles. The plate edge is provided with a water drainage groove. The 3D-Cut copies the tile form on the front edge of a plate (view of the roof covering is not disturbed through a straight cut) which provides very elegant finishing of the roof covering at the gutter and cross-gapes of the covering.

While the standard crank length's extension is 350mm, the crank length can vary from 150 to 450 mm upon Customer's request. The crank height may vary from 10 to 25 mm while the standard crank height extension is 15mm. The higher the crank's height the bigger resemblance to more robust tiled roof covering.

MATERIAL

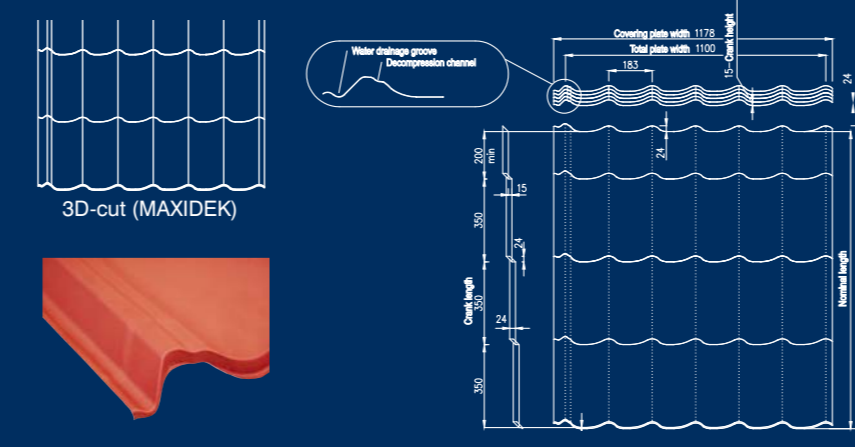
The roof covering is made from zinc-coated steel tin, thickness 0.5mm, with characteristic stress S250-320GD coated by a zinc layer of 275g/m2 and polyester or polyurethane varnish. The inner side is provided with an immunizing coat and a face varnish, the outer side is provided with an immunizing coat, base coat and face polyester varnish of thickness SP25 µm or SP35 µm or polyurethane PU 50 µm, all equipped with a protective film.

ASSEMBLING

MAXIDEK roof covering is to be laid on roof battens only. There is also possible that MAXIDEK is laid on timber boarding or on a boarding from plates based on sintered wood provided the ventilation of the roof as well as the securing water-proven is examined – whereas the suitable composition is to be discussed with the supplier. The batten distance is the same as

BASIC PARAMETERS OF THE PLATE

Feature	Stated value
Crank length	standard 350mm (150-450mm)
Crank height	standard 15mm (10-25mm)
Plate (wave) height	24 mm
Waves distance (wave width)	183mm
Structural (covering) plate width	1100mm
Total plate width	1178mm
Recommended max. plate length max. plate length	6000mm 7600mm
Minimal nominal plate length	555 mm
Total plate length	nominal plate length + 24 mm (due to 3D cut)
Face overlap of plates given by the initial and end crank length) The side overlap shall be created by overlaying of the right side wave of the next plate over the left side wave of the preceding plate	205 mm
Standard tin thickness	0.5mm
Surface weight of the roof covering	up to about 5.0 kg/m ² (pursuant to a material)
Safety roof covering slope	14° (25%) – lower slopes are to be discussed with a supplier



the crank length. The plates are to be laid with mutual front (250mm) and side overlaps. There are applied zinc-coated varnished self-drilling screws with fastening bolster used for fixations to the ground. Detailed implementation instructions are contained in the MAXIDEK Assembly Manual.

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.

LARGE-SIZE PROFILED TIN ROOF COVERING

Usage of the tiled roof:

The tiled roof covering MAXIDEK is intended for industry, office and civil buildings. Thanks to low weight about 5 kg/m² it is suitable for reconstructions and revamps of construction without necessity to perform the reinforcement of the roof timbering. The MAXIDEK represents suitable and functional solutions for roof extension on panel buildings, attic reconstructions or at conversion of flat roofs into sloping ones. It is characterized by a quick and easy covering whereas the appearance of small format tiled roof covering is conserved. MAXIDEK can be applied in all snow regions provided the attention is to be paid to the proper roof compositions along with the aspects of securing waterproofing and ventilation. The issue of snow catching shall be addressed in detail within the project.

The roof covering material secures its long-term durability. MAXIDEK is non-spongy and this is why on its surface no cleaving of impurities and grow of moss and lichen occur. The roof covering is frost-proven. MAXIDEK is intended for roofs of at least 14° inclination, which represents a minimal slope of the roof covering (safe slope) recommended by the manufacturer. Using roof covering for lower slopes (at least 10°) is possible only with a securing water-proof layer and its design is to be consulted with the manufacturer. Application on slopes lower than 10° is possible exceptionally only and again it must be determined by the manufacturer.

The Maxidek roof covering colour shade scale is pictured in the sheet below.

CONTACTS



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www.dekmetal.eu



MAXIDEK - Edge Flashing Elements



ROUND ROOF RIDGE



GUTTER BED



ROOF EDGING



LOWER LEE LEDGE



SNOW GUARD



VALLEY CHANNEL (with stand-up rift, alternatively)



EDGING OF MASONRY PARALLEL WITH GUTTER



EDGING OF GABLE MASONRY



PERFORATED LEDGE WITH REINFORCING INLAY



ANTENNA PENETRATION AZ 16



DIVIDING ROOF RIDGE (15°-30°, 30°-45°)



VENTILATION SANITARY CHIMNEY HV 110



PLATE WITH PROTECTING FILM 0,5x1250x2000mm



ROOF RIDGE FACE



ENDING ROOF RIDGE



MAGNETIC TIGHTENING ADAPTER 8mm



COLOURED PASSAGE COLLAR



VENT TILE LV 200/160



SELF-DRILLING SCREW and BURSTING RIVET
Size of self-drilling screws 4,8x20 a 4,8x35mm



CORRECTION PAINT (VARNISH) 14ml



TILE PLATE SEALING



1) UNIVERSAL MOUNTING PLATE



2) UNIVERSAL RACK - WING



3) STEPPING PLATFORM SET WITH A BUTTRESS



4) PROP SET WITH A BUTTRESS FOR STAND



5) CLIMB PLATFORM STAND
Width 250mm, standard length 600,800 a 1200mm, other standard lengths based on phone inquiry. It can be delivered with banisters as option.



6) GRILLE- MEASURE AGAINST SNOW delivered length 2m



7) ROD - MEASURE AGAINST SNOW delivered length 2m



8) COUPLING AND FINISHING ROD ELEMENT



9) ROUND TIMBER Ø 120mm - MEASURE AGAINST SNOW delivered length 3 and 4m



10) LIGHTING CONDUCTOR RACK



11) LIGHTING CONDUCTOR RACK RIDGED



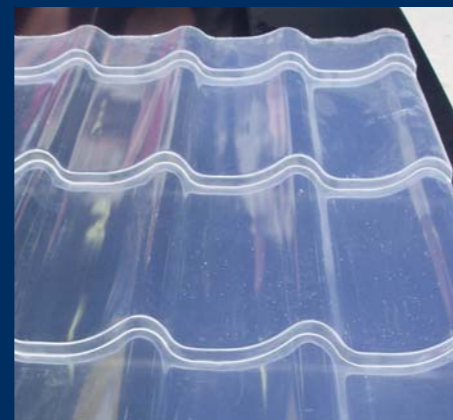
12) SOLAR PANEL SET
the rack itself in variations colour or stainless steel



13) SNOW DISPERSION BLOCK

Item 1) - It is intended as the basic assembly element, without item 1) the items 2), 3) and 4) cannot be installed.
Item 2) - It must be ordered with item 1). Along with elements items 6), 7) or 8) that creates a particular art of measures against snow.
Item 3) - It must be ordered with item 1).

Item 4) - Along with items 1) and 5) that makes a complete stand platform.
Item 6) - Fixing the grille into the universal rack item 2), it is necessary to order a grille clamp, without it the grille cannot be installed.



BACK-LIT PROFILE 1100 x 1200mm material: UV resistant polycarbonate thickness 2mm



ROOF HATCHWAY 60 x 60 cm pane from polycarbonate, armoured glass or tin hatchway inner size 55 x 55 cm

THE CURRENT LIST INCLUDING PICTURE VIEWS IS CONTAINED IN www.maxidekcz.

COLOUR PERFORMANCE

Colour images are for illustrative purposes only.

SP25 GLOSSY | POLYESTER VARNISH 25 µm



2R216 | RED nearest RAL 3000



2R036 | WINE nearest RAL 3005



2M264 | BRICK BROWN nearest RAL 3009



2R112 | RED-BROWN nearest RAL 3011



2B020 | DARK BLUE nearest RAL 5013



2G150 | GREY nearest RAL 7024



2M604 | BRICK nearest RAL 8004



2M295 | DARK BROWN nearest RAL 8017



2N068 | BLACK nearest RAL 9005



2A109 | SILVER nearest RAL 9006



2A094 | TMAVĚ STŘÍBRNÁ nearest RAL 9007



2W690 | WHITE nearest RAL 9010

SP35 TEX | POLYESTER VARNISH 35 µm



2R17A | BRICK BROWN nearest RAL 3009



2V16A | GREEN nearest RAL 6020



2G55A | GREY nearest RAL 7024



2M38A | BRICK nearest RAL 8004



2M15A | BROWN nearest RAL 8017



2N09A | BLACK nearest RAL 9004

PU50 MAX | BY POLYAMIDE MODIFIED POLYURETHAN VARNISH 50 µm



MR539 | BRICK BROWN nearest RAL 3009



MG982 | GREY nearest RAL 7024



MM133 | BRICK nearest RAL 8004



MM020 | BROWN nearest RAL 8017



MN131 | BLACK nearest RAL 9005