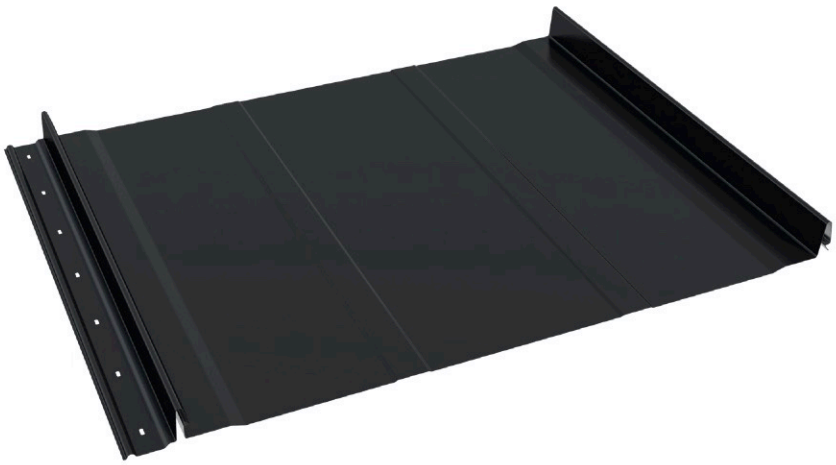
BLACHOTRAPEZ®

Panel HIGH-TECH



PRODUCT CARD

GENERAL INFORMATION

Roofs and facades made of standing seam sheets are one of the strongest trends in architecture.
The HIGH-TECH panel is a modern ornament, a sophisticated sheet that closes the whole building in a sophisticated way.

Properties

An external snap lock with a special profile and optimised height makes assembly easier.
Flat panels in a contrasting combination with wood, clinker, stone, or glass set examples in aesthetics of modern architecture.
The HIGH-TECH panel combines minimalism, elegance, originality as well as versatility.

The HIGH-TECH panel is manufactured in various options depending on the customer's needs ,
e.g. with the option of a cut out for a bend, cut out with a bend and double longitudinal (trapezoidal) ribbing.
It all depends on the individual needs, requirements and preferences of the customer.

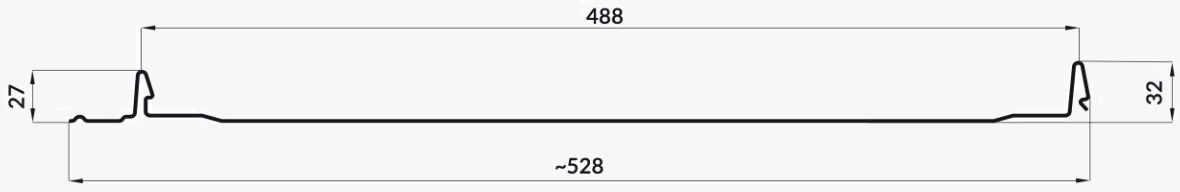
Technical Details

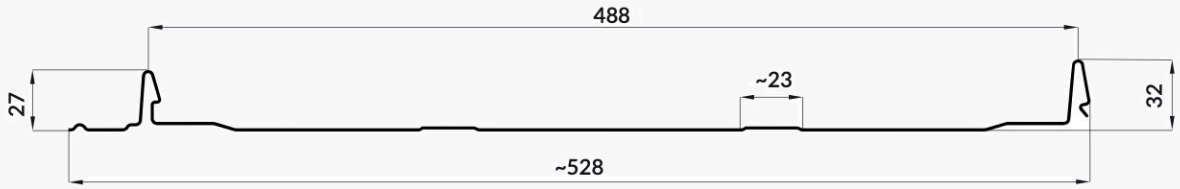
Overall width:	~528 mm	Max. length:	max 8 mb *
Real coverage:	488 mm	Seam height:	32 mm
Finished product thickness (steel):	0,5 mm	"Clik" height:	27 mm

* Blachotrapez is not responsible for mechanical damage caused in transport in sheets longer than recommended in the Technical Profile of the profile.
Ordering sheets longer than recommended increases the risk of damage during transport, processing and assembly.
Sheets longer than the recommended ones may be deformed. This is due to the production technology and the expansion of the material under the influence of temperature amplitude.

HIGH-TECH panel - dimensions, cross-section and longitudinal section

VIEW - Sheet Connection





Application

Roof panels, delivered in the form of ready-to use elements, used in the construction of roofs with a slope of no less than 9 °
and wall cladding.
Roof and cladding panels are used as finishing and protection element in buildings.
Roof and cladding panels should be used in accordance with the technical designs of buildings,
manufacturer's installation instructions and recommendations,
applicable standards and technical/construction regulations.

The raw materials used have come in a wide range due to their environmental classification, which,
among other things, is confirmed by a long warranty period *(depending on the material - see separate warranty print out).

Test results / Documentation

Each of our products has a Declaration of Performance, drawn up on the basis of applicable Standards
and Regulations regarding construction products.

We also have a Hygienic Certificate number HK / B / 0910/01/2014 issued by the National Institute of Hygiene PZH.
These documents are issued for the completed order (in order to obtain them,
please contact the Quality Control Department).

Installation

Equipping the panels with a snap lock allows for quick and reliable joining while maintaining high tightness,
which gives them an advantage over double-seam sheets.
The location of the mounting holes along the seam also means that the mounting screws are hidden by the adjacent panel.
As a result, we get roofing with high aesthetics, without visible fasteners.

The High-Tech panel is characterised by greater stability due to a specially designed click system. First of all,
it reduces the likelihood of stress during screw assembly. The specially profiled shape of the mounting holes guarantees
proper cooperation of the sheet metal with screws, thanks to which the roof can move freely during changing weather conditions.

When installing roof panels, corrugation of flat sheet surfaces can occur for any type of sheet metal.
Such sheets take the shape of a sub-roof. Waving of panels is a natural phenomenon and often can occur.
It is related to the technology of production and assembly of these sheets, their thermal expansion and the phenomenon of light reflection.
To minimise the waving effect, install the panels on a very carefully made and level surface, in accordance with the principles
of roofing and installation instructions. A positive effect is also obtained by using a matt coating (smaller light reflections),
using panels with longitudinal embossing or panels with a soundproofing layer glued at the factory.
Additionally, you can use the option of bending cut-out.
These options allow you to stiffen the bottom edge of the sheet and avoid transverse undulation.
Panel noise in windy conditions is also a natural phenomenon.
To reduce this effect, you can use a special metal membrane, soundproofing tape, structured mat,
self-adhesive anti-condensation membrane or other materials.

Additional information

We have properly prepared transport, storage, cutting and maintenance instructions for all types of profiles.
In order to read this content, please visit our website www.Pagurek.com or contact our Sales and Technical Advisors.

We also have numerous awards and certifications for both input material and finished products,
which can be found on our website www.Pagurek.com