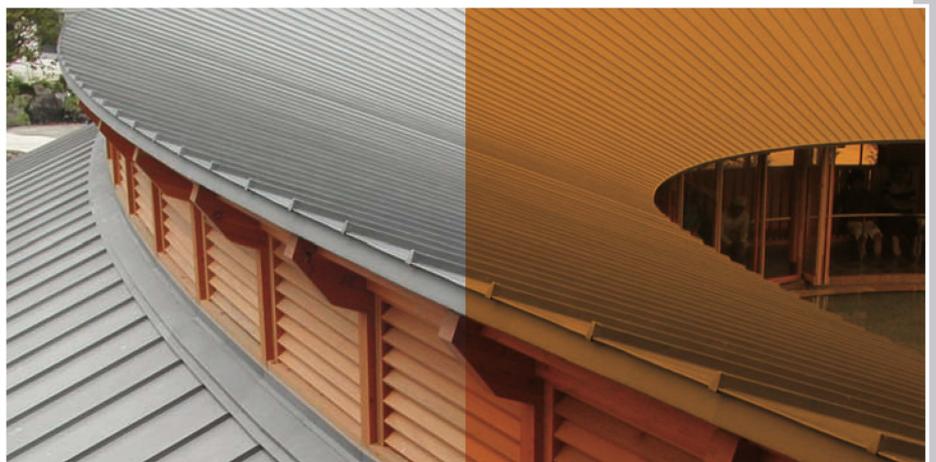
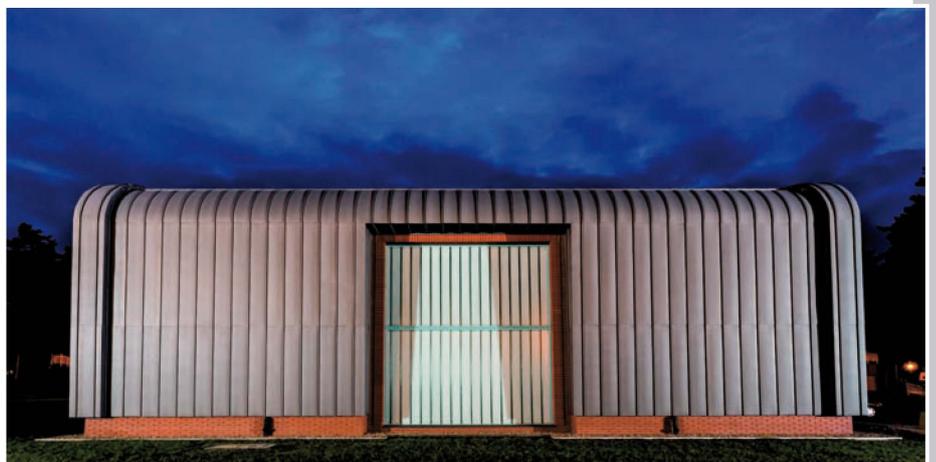


# ZINC-TITANIUM

Modern variety of metal with traditions

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**Zinc-titanium** is produced according to EN988 standard, in two sorts of different surface finish:

- **NATURAL** – metallic and shining surface, which will gradually turn into light grey matt patina resulting from the influence of atmospheric conditions,
- **PRE-AGED GREY** – matt, light grey patina surface created as a result of chemical reaction in a technological process. It is recommended to use pre-aged material on exposed elements like façades.
- **PRE-AGED CARBON** – our new sort of pre-aged material the colour of graphite-black which is received from the complex technological process. The contrasting colour of the material and bright colours makes buildings unique. It compounds well with other materials (for example slate).

**Zinc-titanium** a modern material produced of the highest purity zinc SHG 99,995% with additions of copper and titanium. Modern technology guarantees very good physical and mechanical properties and allows for a wide range of application in the building industry.

### Zinc-titanium advantages:

- durable for over 80 years,
- corrosion resistant,
- does not require maintenance,
- may be easily joined and formed,
- excellent for soldering,
- light and non-flammable,
- 100% recyclable.

Creating a protective layer under the influence of atmospheric conditions, that is typical for zinc, zinc-titanium has incredibly long-life use and requires practically no maintenance. Upon exposure, a surface patina develops on the zinc, consisting of oxides and basic zinc carbonate.



NATURAL



PRE-AGED GREY



PRE-AGED CARBON





## Assortment

- sheets 1000 x 2000 or 3000 mm
- coils width 100 (or less for special requirements) – 1000 mm (weight from 100 to 4700 kg)

thickness sheet/coils (mm)	weight (kg/m <sup>2</sup> )
0,55*	4,0
0,60	4,3
0,65	4,7
0,70	5,0
0,80	5,8
1,00	7,2

\* sheets only

## Application in architecture

Zinc-titanium may be used on sloping surfaces with the more than 3° inclination and with various shapes (straight, convex, concave).

### Applications:

- roof,
- façades,
- flashing,
- rainwater systems.



## Variety of applications

Due to its perfect forming flexibility zinc-titanium meets the most complicated requirements of modern architects design and can be used in the renovation of historic buildings.

### Zinc-titanium is mostly applied in the followings systems:

- double standing seam or angled standing seam,
- strip,
- small-size elements (files, shingles),
- special forms: panels, cassettes, corrugated profiles.



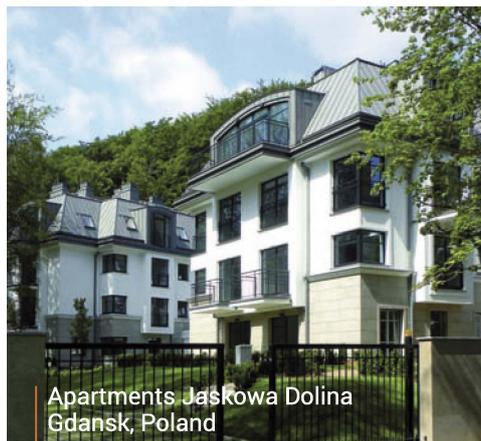
## References



University of Rzeszow, Rzeszow, Poland



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