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**THE  
COLOR  
LINE**



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**THE  
COLOR  
LINE**

*A project for your future*

**A FUTURE FOR YOUR PROJECTS**

## ALSO IN COLOR

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Always attentive to the latest trends, Zintek is proud to present a in the world of architecture and design: six colors that emphasize the nature of titanium-zinc zintek®, while maintaining its properties intact.

Mediterranean Blue, Lagoon Green, Antique Red, Natural Earth Brown, Rock Grey and Graphite Black: color meets material and becomes an actual architectural element.

Choosing zintek® means choosing the visible and tangible pleasure of a material which is alive and long lasting, capable of maintaining its value intact over the course of the years.

## ARCHITECTURE OF MATTER: THE VALUE THAT MAKES THE DIFFERENCE

### INNOVATION

Zintek has launched on the market a line of colored rolled products obtained with a pigmentation coloring process that offers a wide range of possibilities for applications.

### TECHNOLOGY

The colors have been developed to highlight the aesthetic quality of zintek® rolled products, while maintaining its technical and functional characteristics intact.

### VERSATILITY

The zintek® rolled products are ideal for architecture and interior design, and they give personality and originality to every project, in full harmony with the environment.



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## MEDITERRANEAN BLUE

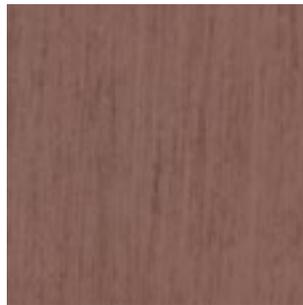
The fascinating charm of the underwater world reproduced in a soft color tinged by striking venations, worthy of the king of the seas.



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## **LAGOON GREEN**

A tribute to the city of Venice and the changing colors of the waters overlooked by the bridges and palaces of the glorious Serenissima.



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## ANTIQUE RED

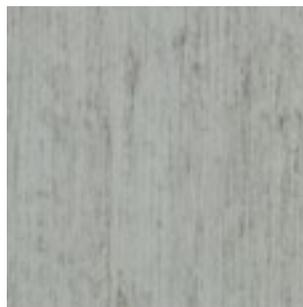
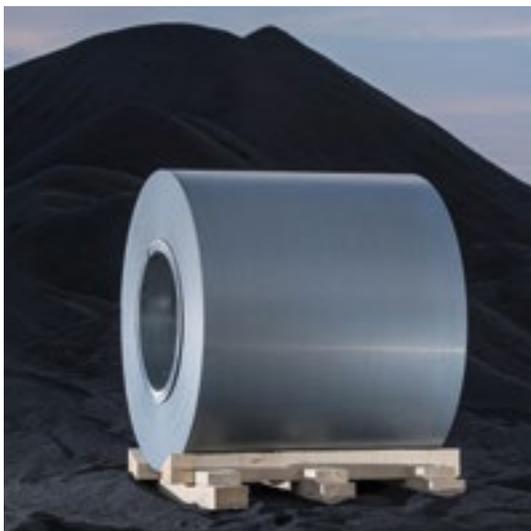
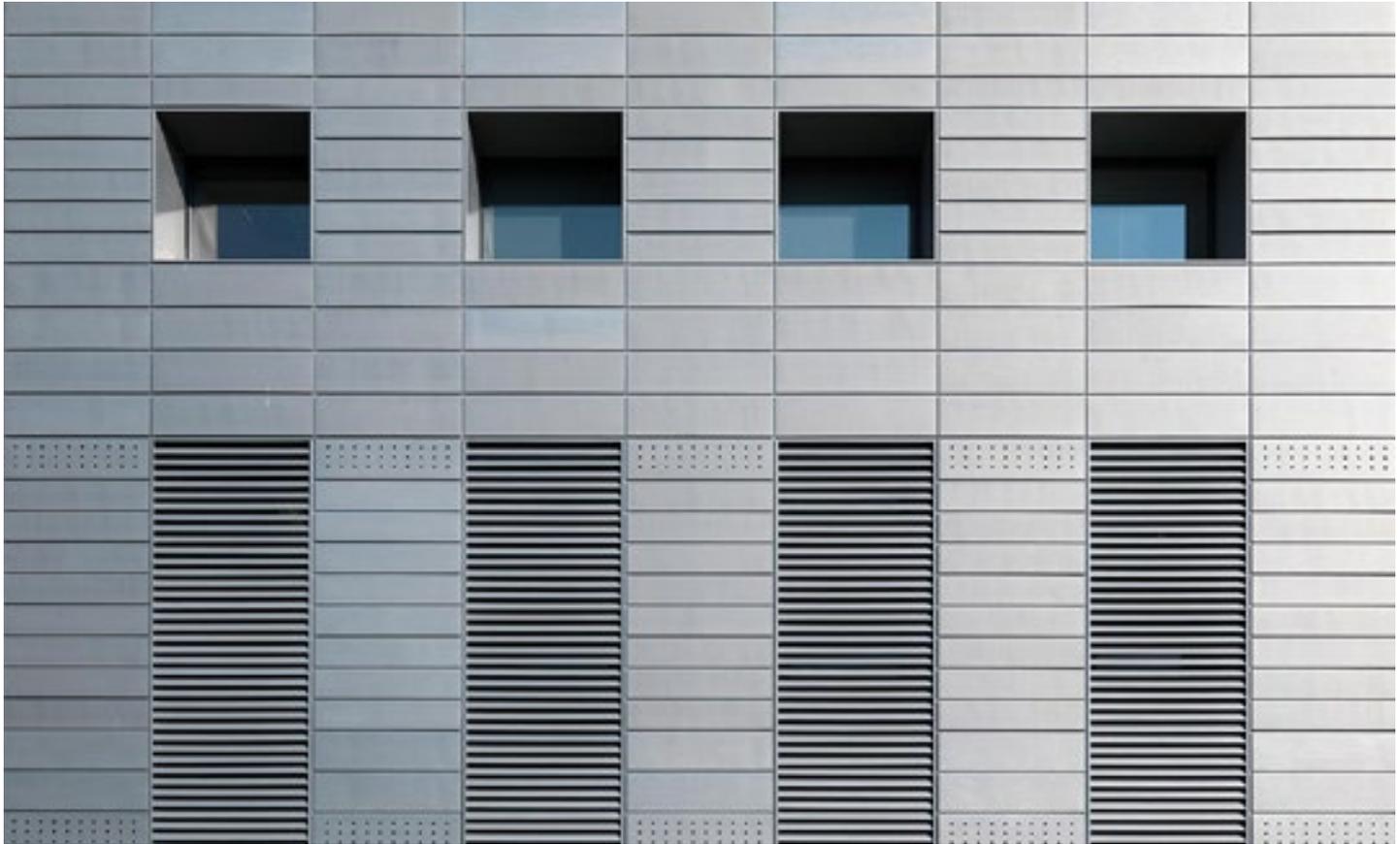
The red that has always defined the image of “home”, from the walls that protect to the roof that covers. Same color, revolutionary performance.



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## **NATURAL EARTH BROWN**

A tribute to the color of the earth, to the ground that sustains forests and cities. A fitting reminder of humanity's responsibilities towards the well-being of the planet.



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## **ROCK GREY**

The traditional color of zintek®, the strong and elegant grey which covers the main buildings of every city and, just like rock, stands the test of time.



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## GRAPHITE BLACK

Graphite is a mineral that, like very few of others... leaves a mark. Each work is born with the stroke of a pencil, which follows the project from concept to reality.

# FIELDS OF APPLICATION

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Today, Zintek supplies any solution related to the choice and installation of the titanium zinc rolled products. A reference point for the construction of titanium-zinc covering solutions, façades and tinsmithery, the company has entered the international market with a line of innovative products.

Its mission is to ensure the beauty, longevity and authenticity of buildings in every context, from new edifices to conservative restoration operations, up to the regeneration of constructions in disuse, thanks to the unique quality of its organization and of its product.



## ROOFING SOLUTIONS

zintek® adapts to any design, allowing architects to express their full creativity.



## FAÇADES SOLUTIONS

A homogeneous and elegant skin ensuring protection.



## TINSMITHERY SYSTEMS

No detail is left to chance with zintek® accessories.

# SECTORS OF USE

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The increased commercialization and diffusion of titanium zinc rolled products in Europe and in the rest of the world can be explained within an ever

more innovative architectonic scenario where the demand for new materials, capable of adapting to unprecedented forms, is constantly growing.



## CONTEMPORARY ARCHITECTURE

The rolled products can be subjected to pre-weathering procedures.



## RESTORATION WORKS

A versatile material capable of natural integration in historical buildings.



## BUILDING REGENERATION

A powerful ally when aiming to breathe new life into old and obsolete buildings.

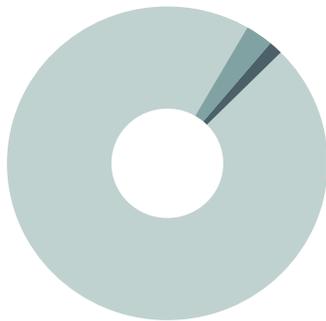
# TECHNICAL FILE OF TITANIUM ZINC PRODUCTS

UNI EN 988 - <b>COMPOSITION</b> IN %				UNI EN 988 - <b>MECHANICAL</b> CHARACTERISTICS				<b>MASS</b> CALCULATIONS	
	MIN	MAX						NOMINAL THICKNESS mm	APPROXIMATE MASS Kg/m <sup>2</sup>
<b>Cu</b>	0.080	1.000	Offset from proportionality unit load	0.20%	Rp 0.2	N/mm <sup>2</sup>	min 100		
<b>Ti</b>	0.060	0.200	Tensile strength		Rm	N/mm <sup>2</sup>	min 150	0.60	4.30
<b>Al</b>	—	0.015	Elongation percentage after break		A50mm	%	min 35	0.65	4.70
<b>Zn</b>	—	—	Sliding elongation percentage			%	max 0.1	0.70	5.00
Z1-quality zinc			Minimum hardness				HV 45	0.80	5.80
								1.00	7.0

## PHYSICAL AND TECHNOLOGICAL CHARACTERISTICS

Description	MEASUREMENT UNIT	Value
Density	Kg/dm <sup>3</sup>	7.14
Melting point	°C	419
Specific heat at 20° C	kJ/Kg °C	0.401
Thermal conductivity at 20° C	W/m °K	109
Electrical conductivity at 20° C	m/ohm mm <sup>2</sup>	17
Thermal expansion coefficient in parallel direction to the lamination	mm/m °C	0.022
Thermal expansion coefficient in transversal direction to the lamination	mm/m °C	0.017
Re-crystalization limit	°C	>300
Elasticity modulus	N/mm <sup>2</sup>	>80,000
Erichsen value	mm	07-09
Bend test at 180° 20° C in longitudinal direction	n°	3 minimum
Bend test at 180° 20° C in transversal direction	n°	5 minimum
Rigidity	%	40-55
Non magnetic		
Non combustible		

# MADE IN ITALY - MADE IN VENICE



ZINC **ZN**



COPPER **CU**



TITANIUM **TI**



**A PROJECT FOR YOUR FUTURE**

*Future for your projects*

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**THE  
COLOR  
LINE**

PARTNER WITH



Contact Façade Creations today.



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