

wakefieldmetals

Zinc

Zinc Alloy Data Titanium Enhanced

As a non-ferrous metal, Zinc is naturally self protecting, forming its own attractive light grey patina over time. It does not rust and has a remarkable resistance to corrosion.

90 to 100 Years in rural areas

40 to 60 Years in urban areas

40 to 70 Years in Coastal areas and industrial environments

Its excellent creep resistance allows laying of roofs in areas with high temperature variations. Zinc offers durability and long-term-cost-effectiveness, together with the potential for all types of working and shaping.

Ultimate life is proportional to the thickness chosen, the thicker the better.

Finishes



Natural Zinc*	Initially has a shiny metallic appearance, which changes to a natural semi-mat light grey patina as it is exposed to its environment
Quartz Zinc	Pre-weathered to provide the apperance of the natural patina at the time that the product is laid. Quartz Zinc is pre-weathered to a light grey colour.
Anthra Zinc	Pre-weathered to provide the apperance of the natural patina at the time that the product is laid. Anthra Zinc is pre-weathered to an anthracite grey.
Pigmento Lichen Green	Pigmento range is produced with the addition of mineral pigments. Lichen Green is pre-weathered to provide the apperance of the natural patina.
Pigmento Autumn Red	Pigmento range is produced with the addition of mineral pigments. Autumn Red is pre-weathered to provide the apperance of the natural patina.
Pigmento Ash Blue	Pigmento range is produced with the addition of mineral pigments. Ash blue is pre-weathered to provide the apperance of the natural patina.
Pigmento Brown	Pigmento range is produced with the addition of mineral pigments. Brown is pre-weathered to provide the apperance of the natural patina.

^{*}Natural Zinc is available on indent only

Zinc Coil

Finish	Coil Thickness	Coil Width	Weight kg/m	Pigmento	нмос	тос
Anthra +	0.7	1000	5.04		0013707	
Anthra +	0.7	1000	5.04			0018422
Anthra +	0.7	600	3.02		0014029	
Anthra	1.0	1000	7.20		0013458	
Anthra	1.0	1000	7.20			0018423
Quartz	0.7	1000	5.04		0002572	
Quartz +	0.7	1000	5.04		0014032	
Quartz	0.7	600	3.02		0012716	
Quartz +	0.7	600	3.02		0014031	
Quartz	1.0	1000	7.20		0014030	
Quartz	1.5	1000	10.80			0014643
Red + Pigmento	0.7	1000	7.20	0018730		
Blue + Pigmento	0.7	1000	7.20	0018727		
Brown + Pigmento	0.7	1000	7.20	0018728		
Green + Pigmento	0.7	1000	7.20	0018729		

Other widths also available

All weights are theoretical and may vary in practice

Zinc can be used to form roof accessories such as guttering, flashing, ridgings and ornaments.

VMZ Zinc plus is VMZINC coated on the underside with a protective layer (Umicore patent)

- •Allows the use of an incompatible roof deck.
- •VMZ Zinc plus products can be bent, folded or profiled without any surface change (similar to VMZINC products) and thus allow the exact methods of laying.
- •No need to ventilate the underside of VMZ Zinc plus.

Other VM Zinc Products

Coil Thickness mm	Maximum Width mm
VM ANTHRA ZN PAINT 1LT	0012205
VM DECA QUARTZ ZN FLUX	0012204
VM MARKING TOOL ZN	0012207
STRUB MINERAL OIL 1 LITRE	0016360

VM Zinc Adeka Panels

Thickness	0.65 mm
Useful dimensions	400 X 400 mm
Centre to centre	205 mm
Weight	6.9 kg/m²
No. elements/m²	8.8
Packaging	24 VMZ Adeka / 2.75 m2 pack



Surface aspects: QUARTZ-ZINC / ANTHRA-ZINC / PIGMENTO

Physical Properties Of Titanium Zinc

Density	7.2 kg/dm³
Thermal expansion coefficient (parallel to the rolling direction)	0.022 mm/m/ °C
Melting point	420°C
Recrystallization point	300°C
Heat conductivity	110 W/(m.K)
Electrical conductivity	17 MS/m
Danger of sparking	Non-sparking
Magnetic properties	Diamagnetic