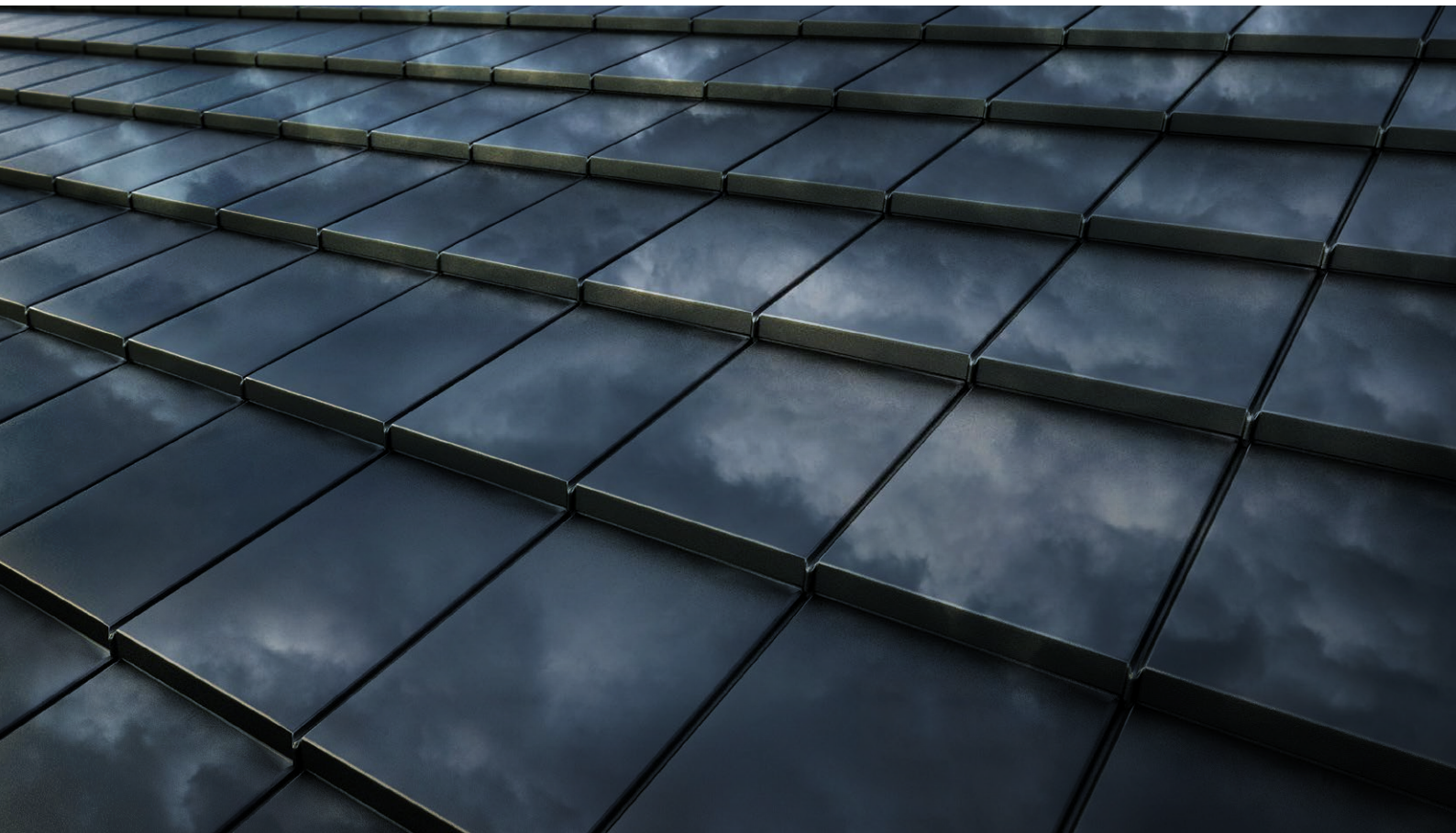




The sky is the limit.
We are right beneath it.

TWINTILE







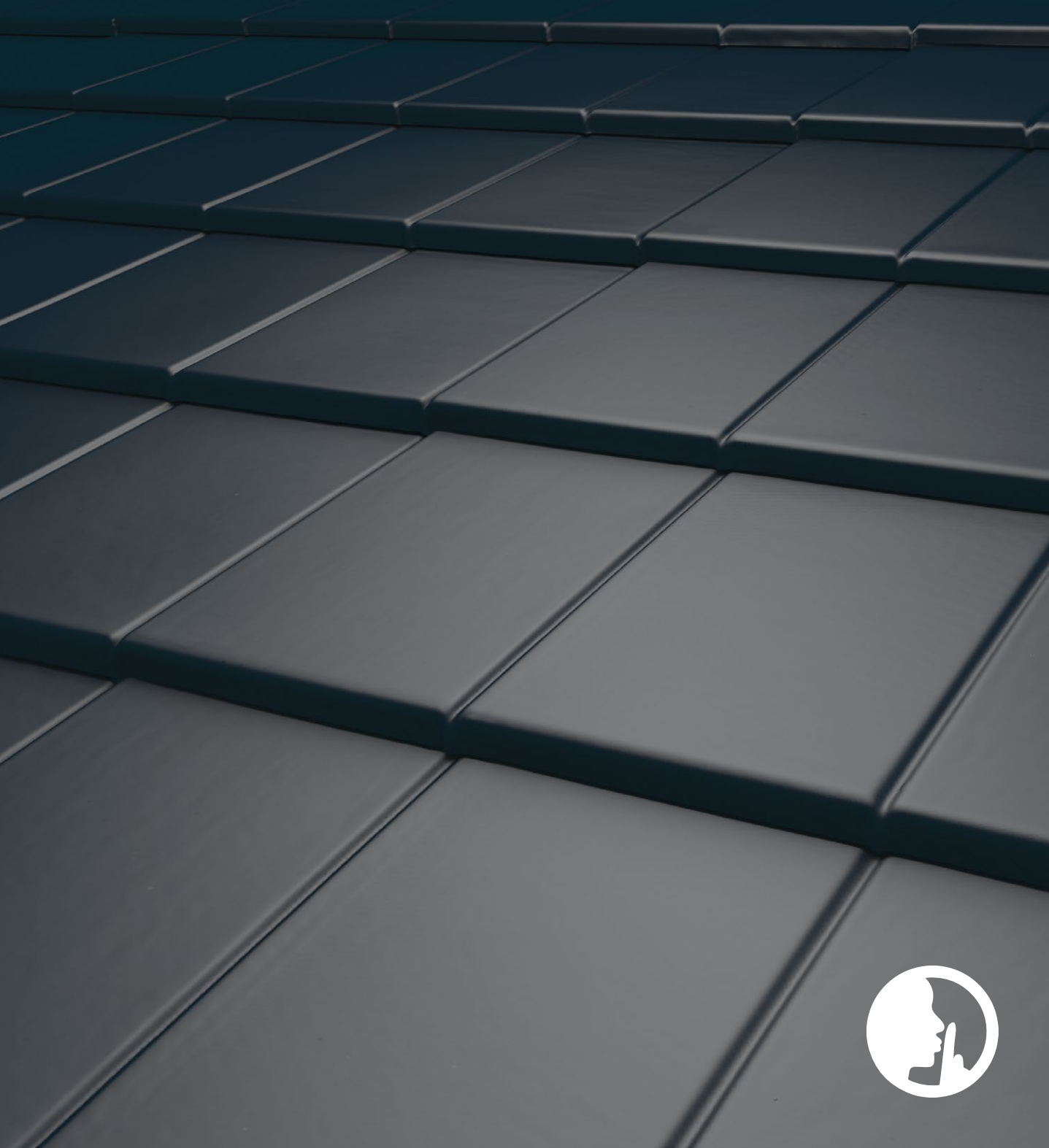
THE SKY IS THE LIMIT. NOT JUST OF SEASONS AND WEATHER, BUT OF HOW WE FEEL.

When the innovators of TwinTile - driven by passion and ambition only start-up pioneers have -decided to raise the bar in the roofing and cladding industry they had in mind the products that would provide the highest level of comfort, superior quality and the design that precisely capture the era and style of today's dream home. The outcome of that innovative mind-set is a product, which is feather light yet strong and stylish. The complete TwinTile product range provides engineering without limits and offer customers unique solutions.

The strength of the corrosion-proof ZM250 steel body completed with the elegance of sleek powder coating guarantees a safe home, which radiates the refined taste of the owners for long decades. Combined with strength and durability through innovative manufacturing TwinTile opens new opportunities in today's roof and façade designs.

TwinTile is a trademark of the global Roof Tile Group, the owner of well-established, pioneer brands including Metrotile, Gerard, Ikotile and Varitile.

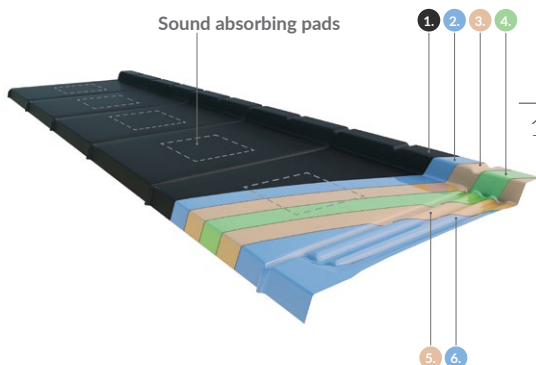
Over 60 years of experience and presence on thousands of buildings in countries on three continents is a guarantee of our quality. Find out more about our products on our website at www.twintile.com.



- 1. Super durable powder coating (> 80 µm)
- 2. Polyurethane primer

- 3. Zinc-aluminium-magnesium alloy
- 4. Steel 0,50 mm

- 5. Zinc-aluminium-magnesium alloy
- 6. Polyester primer

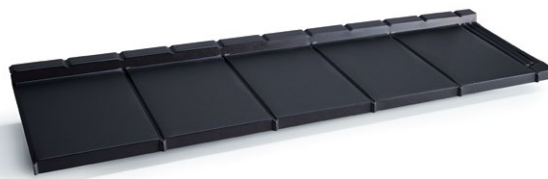


Length	Cover Length	Width	Cover Width	Usage	Weight
1305 mm	1260 mm	350 mm	321 mm	2,47pcs/m ²	6,42 kg/m ²



Coating

Ultra UV-resistant Super Durable powder coating (> 80 µm)



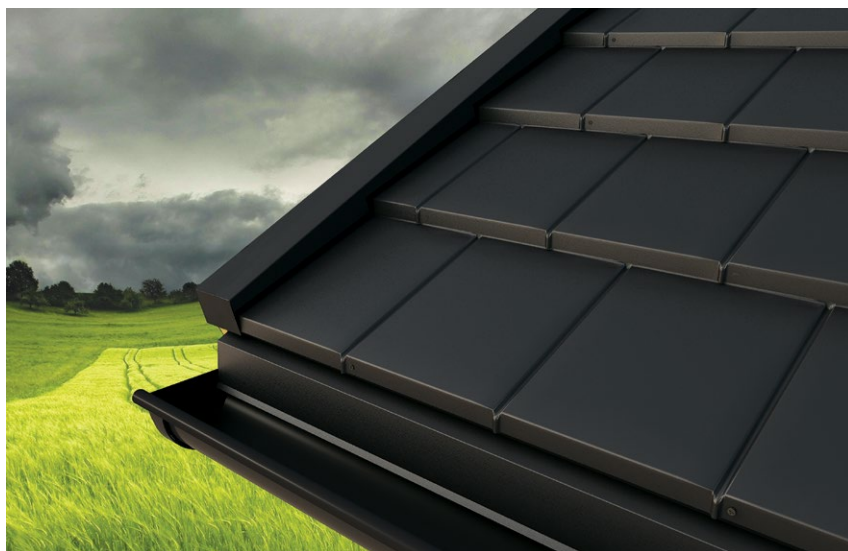
QUBE ACOUSTIC. COMBINING A STYLISH TREND WITH THE STRENGTH OF STEEL.

- Durable and reliable
- Storm-proof and unbreakable
- Suitable for use on roofs with pitch from 15°
- Super durable powdercoating
- Ultra UV-resistant powder coating
- Lightweight
- Attractive and stylish design
- Only requires a light support structure
- Burglary protection
- 30 years warranty*



QUBE ACOUSTIC – a rectangular shape in harmony with today's desire for simplicity & beauty. This distinctive, well-defined profile will add considerable character for the most contemporary of designs. The right choice for true strength and durability.

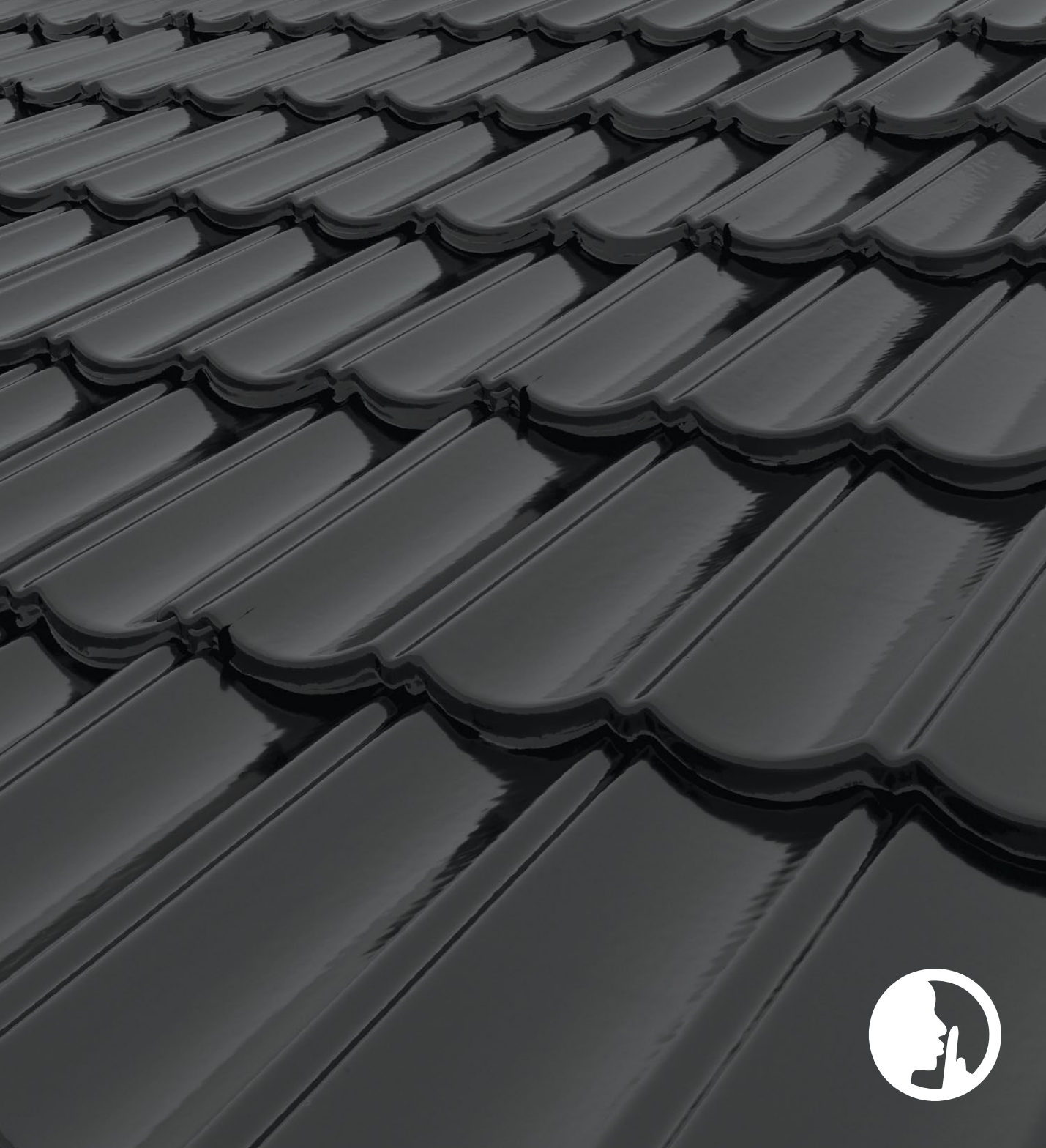
Its combination of a modern design and 0.5 mm thick ZM250 quality steel ensures that this particularly elegant roofing is resistant to even the extreme elements. The QUBE ACOUSTIC roof tile has special sound patches attached to its lower side for a perfect sound insulation.



A sleek and modern design combined with "rock solid" quality. The horizontal and the triple lateral closure ensure that this extremely stylish roof tile element withstands the most extreme weather conditions. The element's unique construction enables installation crossways and in a straight line.

Also available in a lighter, non-noise reduction version, QUBE.

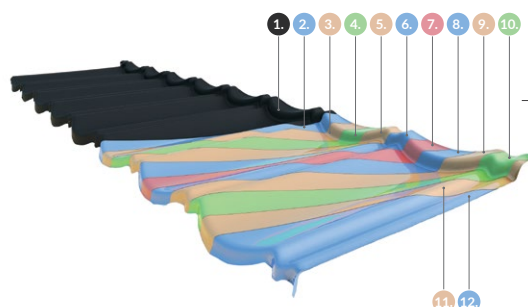
* see general warranty conditions



- 1. Super durable powder coating (> 80 µm)
- 2. Polyurethane primer
- 3. Zinc-aluminium-magnesium alloy
- 4. Steel 0,30 mm

- 5. Zinc-aluminium-magnesium alloy
- 6. Polyester primer
- 7. Polymer film
- 8. Polyurethane primer

- 9. Zinc-aluminium-magnesium alloy
- 10. Steel 0,30 mm
- 11. Zinc-aluminium-magnesium alloy
- 12. Polyester primer



Length	Cover Length	Width	Cover Width	Usage	Weight
1470 mm	1400 mm	410 mm	367 mm	1,95 pcs/m ²	6,40 kg/m ²



Coating

Ultra UV-resistant Super Durable powder coating (> 80 µm)



TWIN ACOUSTIC. TIMELESS DESIGN WITH PATENTED MODERN ACOUSTIC INSULATION.

- Sound-absorbing double composition
- Suitable for use on roofs with pitch/incline from 15°
- Durable and reliable
- Storm-proof and unbreakable
- Super durable powdercoating
- Ultra UV-resistant powder coating
- Lightweight
- Only requires a light support structure
- Burglary protection
- 30 years warranty*

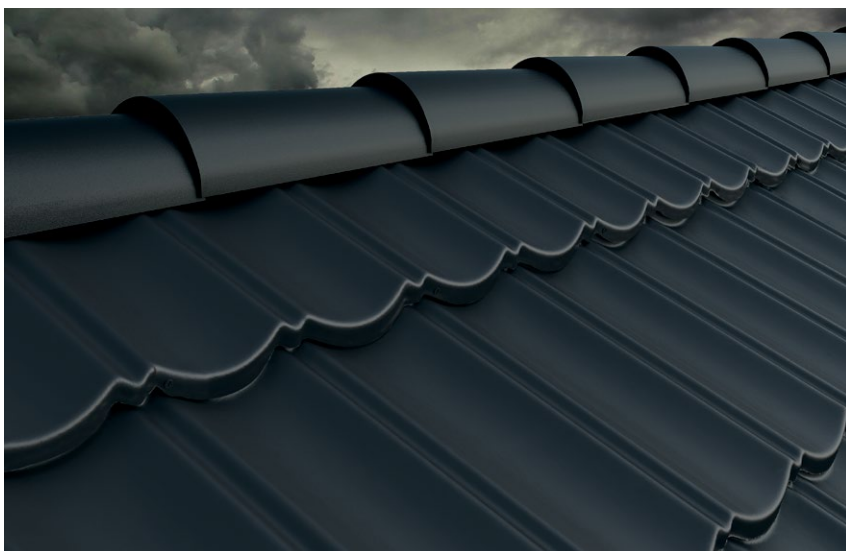


TWIN ACOUSTIC is a fusion of the wave shape and an advanced roof tile. The common perception of noisy steel roofs is a thing of the past with TWIN ACOUSTIC. The appearance is one of the main concerns when it comes to the decision about the roof. TWIN's ACOUSTIC clean lines will blend well on any house in any location. As modern buildings have become more complex, lightweight and yet strong profile enables the design of modern design enhancing roofs that provide numerous safety advantages.

Two ZM250 steel layers of 0.3 mm thickness are joined with polymer adhesive. The sound-absorbent polymer ensures robust structure, feather light weight, and inaudible rain noise. The roof tile is finished with a Super Durable powder coating to ensure a stylish, scratch-resistant and Ultra UV-resistant surface coating.

Needless to say, this patented product, with double shell ranks as one of the very best roof tile systems. Even with all this functionality packed into one roof tile, TWIN ACOUSTIC weighs a mere 6,40 kg/m² while other traditional concrete and clay brands can result in even 7-times heavier weight on your home.

* see general warranty conditions

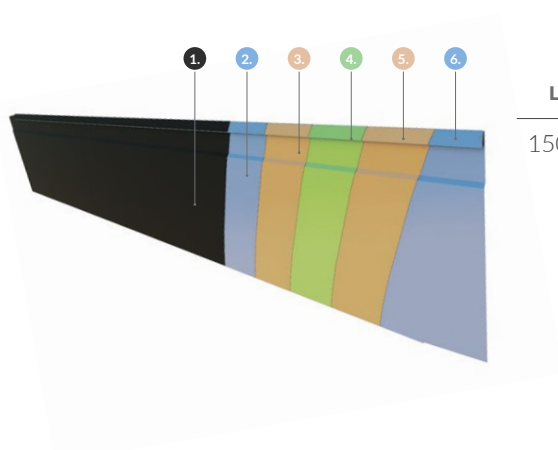




- 1. Super durable powder coating (> 80 µm)
- 2. Polyurethane primer

- 3. Zinc-aluminium-magnesium alloy
- 4. Steel 0,50 mm

- 5. Zinc-aluminium-magnesium alloy
- 6. Polyester primer



Length	Cover Lenght	Width	Cover Width	Usage	Weight
1500 mm	1450 mm	230 mm	190 mm	3,63 pcs/m ²	5,34 kg/m ²



Coating

Ultra UV-resistant Super Durable powder coating (> 80 µm)



PLANO. A FACADE WITH MODERN, CLEAN LINES THAT REQUIRES NO MAINTENANCE.

- Durable and reliable
- Contemporary design
- Storm-proof and unbreakable
- Super durable powdercoating
- Ultra UV-resistant powder coating
- Lightweight
- 30 years warranty*



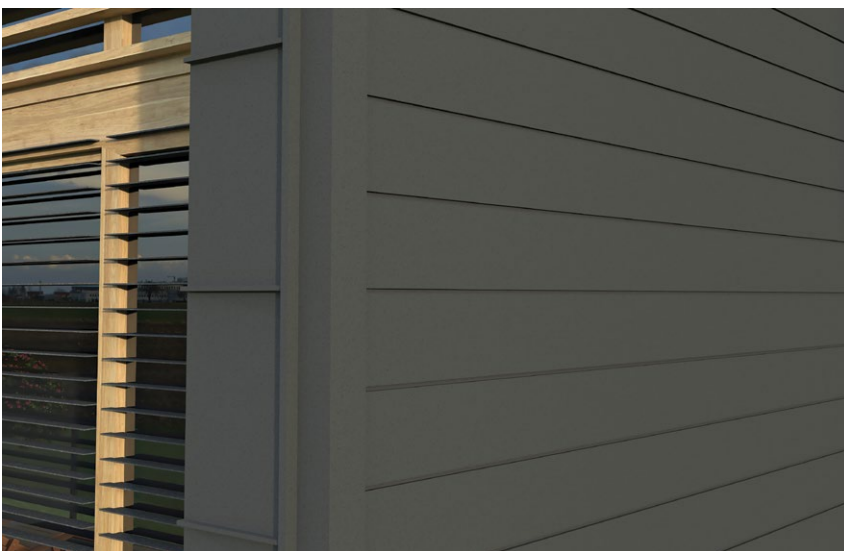
Simple is beautiful. The old adage gains a new meaning with PLANO. PLANO is not only simple and beautiful in its appearance but also in its usage. The first choice when projecting your new home exterior or renovating existing buildings with a fresh and contemporary look must be PLANO - a new metal facade system made of 0,5 mm thick ZM250 steel.

With simple lines, maintenance-free and durable, PLANO is the number one solution to transform the exterior of your building with a modern new look. The product is finished with a super durable, stylish, ultra UV-resistant powder coating.

Combining roofing and facade systems, TwinTile allows you to design a unique solution for your building. With multiple design options adapting to your needs, only your desire and imagination are the limit.

PLANO. No overcomplication, no maintenance.

* see general warranty conditions

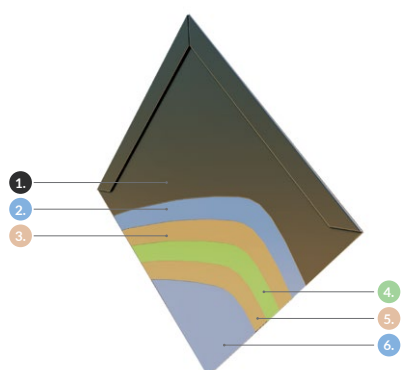




- 1. Super durable powder coating (> 80 µm)
- 2. Polyurethane primer

- 3. Zinc-aluminium-magnesium alloy
- 4. Steel 0,50 mm

- 5. Zinc-aluminium-magnesium alloy
- 6. Polyester primer

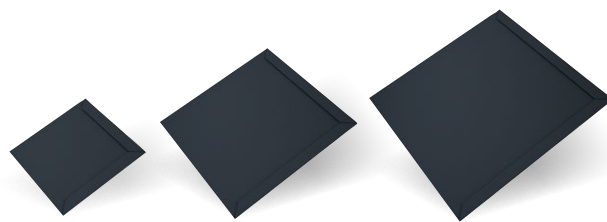


	Thickness (mm)	Weight (kg/m²)	Side Length	Number (m²)
20	0,50	7,42	225 mm (200 mm cover)	25
30	0,50	6,13	325 mm (300 mm cover)	11,11
40	0,50	5,64	400 mm (375 mm cover)	7,11



Coating

Ultra UV-resistant Super Durable powder coating (> 80 µm)



ROMBO 20 – 30 – 40. THE NEW INTERPRETATION OF A TRADITIONAL SOLUTION.

- Timeless design
- Durable and reliable
- Ultra UV-resistant super durable powder coating
- Lightweight and simple solution
- 30 years warranty*



Innovation is not always a revolution but sometimes only an evolution. The ROMBO saves the evergreen classic design for the 21st century. As all TwinTile products, ROMBO is made of ZM250 protected steel. The product is finished with a super durable, stylish, ultra uv-resistant powder coating. Thanks to the uniquely designed blind fastening system, combined with sleek cladding;

Modular TwinTile systems provide optimal and visually attractive design, stylistically and structurally connecting roof and facade systems. A comprehensive roof design, in harmony with the facade – provided only by the TwinTile.

ROMBO. It reinvents the classic design of the past with the technology of the present saving it for the future.



* see general warranty conditions



WHY CHOOSE TWINTILE?



QUALITY

With its cutting-edge technology and refined design, TwinTile offers excellent roofing and facade solutions for your home. Strong ZM250 steel of up to 0,5 mm in thickness makes the tiles resistant to any physical damage and provides excellent protection against weather conditions. Strict quality control in the production process and more than 60 years of global experience are a guarantee of quality. TwinTile is the only right answer when durable and elegant cladding with no maintenance is needed.



RESISTANCE

TwinTile products are made with a powder coating technology following the roof tile shaping phase, which prevents micro-cracks that may occur when bending steel roof tiles that are coated before shaping. An 80-micron polyester powder coating, heated to high temperature, gives the TwinTile roof tiles a critical advantage over standard panels that are pre-coated with a significantly thinner 20-30 micron coating layer. The coating of TwinTile roof tiles and facade elements is a line of Super Durable Powder Coatings formulated to meet the highest requirements of most commonly used standards AMMA 2604 (The American Architectural Manufacturer's Association) and Qualicoat (Class 2 - Category 3 approved). TwinTile powders are extremely resistance to all weather conditions. They have excellent humidity resistance and provide outstanding corrosion protection and UV durability.



SOUND INSULATION

TWIN ACOUSTIC and QUBE ACOUSTIC roof tiles are notably quieter than standard steel and aluminium roof tiles. Thanks to their innovative construction, including a sound-insulating layer, exterior noises caused by rain or hail are more efficiently suppressed. Modern technology integrated in a modern roof tile.



LIGHTWEIGHT

TwinTile is significantly lighter than standard concrete or clay roof tiles, thus lowering the load on the roofing construction. With the lighter TwinTile roof tiles, any roof construction or renovation process is made easier and completed quicker. Renovating existing sub-constructions is also easier due to the lighter weight, as it requires no adapting or reinforcing of the sub-construction. TWINTILE products are produced in a very handy format and therefore easier, faster and cheaper to install.



DESIGN AND DIVERSITY

TwinTile roofing and facade elements allow architects many creative options in cladding design making their customers wildest dreams a reality. The unique installation process allows water-tight roof tiling, even on low-inclined roofs (up to 15°), which is considerably less than with standard roof tiles. Together with facade elements, the roof tiles create a comprehensive system that enables diverse and aesthetically pleasing combinations.

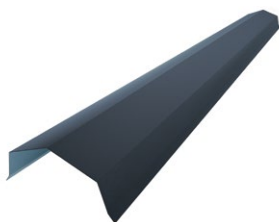
ACCESSORIES



Round ridge

Length of cover: 380 mm

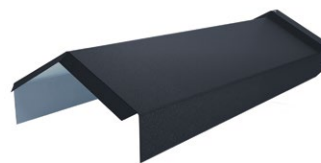
• TWIN ACOUSTIC



Long V ridge

Length of cover: 1250 mm

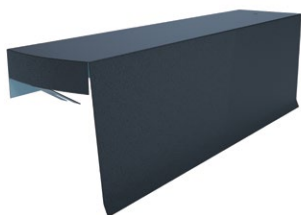
• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Short V-ridge

Length of cover: 380 mm

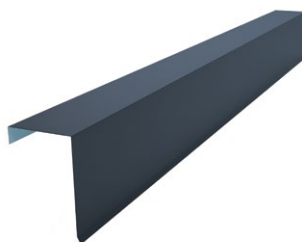
• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Short side (Left or Right)

Length of cover: 367 mm

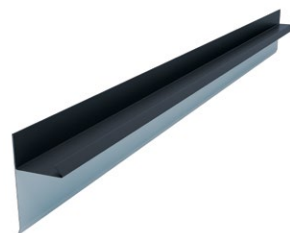
• TWIN ACOUSTIC



Mono-pitched ridge

Length of cover: 1250 mm

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Long barge board cover countersunk

Length of cover: 1250 mm

• QUBE ACOUSTIC • QUBE



Large sub-ridge

Length of cover: 1300 mm

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Small sub-ridge

Length of cover: 1250 mm

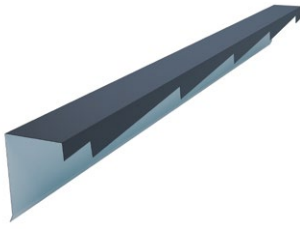
• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE
• PLANO • ROMBO



Mini sub-ridge

Length of cover: 1250 mm

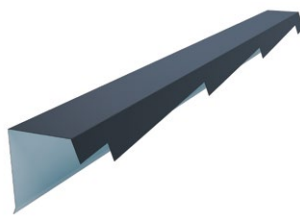
• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE
• PLANO • ROMBO



Flashing Left or Right

Length of cover: 1284 mm

• QUBE ACOUSTIC • QUBE



Flashing Left or Right

Length of cover: 1101 mm

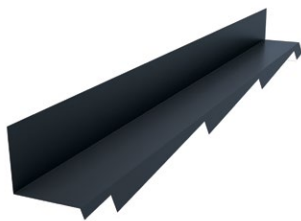
• TWIN ACOUSTIC



Transparent tile

Coverage: 0,35 m²

• TWIN ACOUSTIC



Side wall flashing scribed (left or right)

Length of cover: 1101 mm

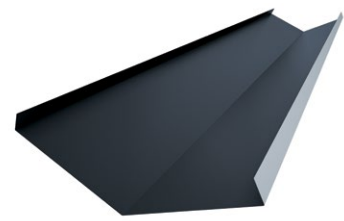
• TWIN ACOUSTIC



Sloping base/mounting

Length of cover: 1250 mm

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Valley gutter

Length of cover: 1300 mm

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Roof vent flange plumbing

Pipe cross-section: 150 x 150 mm

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Roof ventilation element

Free ventilation area: 75 cm²

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Snow-stopper

Steel, powder coated

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Nails on a reel

325 pcs/pack (2,8 x 50 mm)

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE



Nails on a reel

325 pcs/pack (2,1 x 27 mm)

• PLANO • ROMBO



Touch-up pen

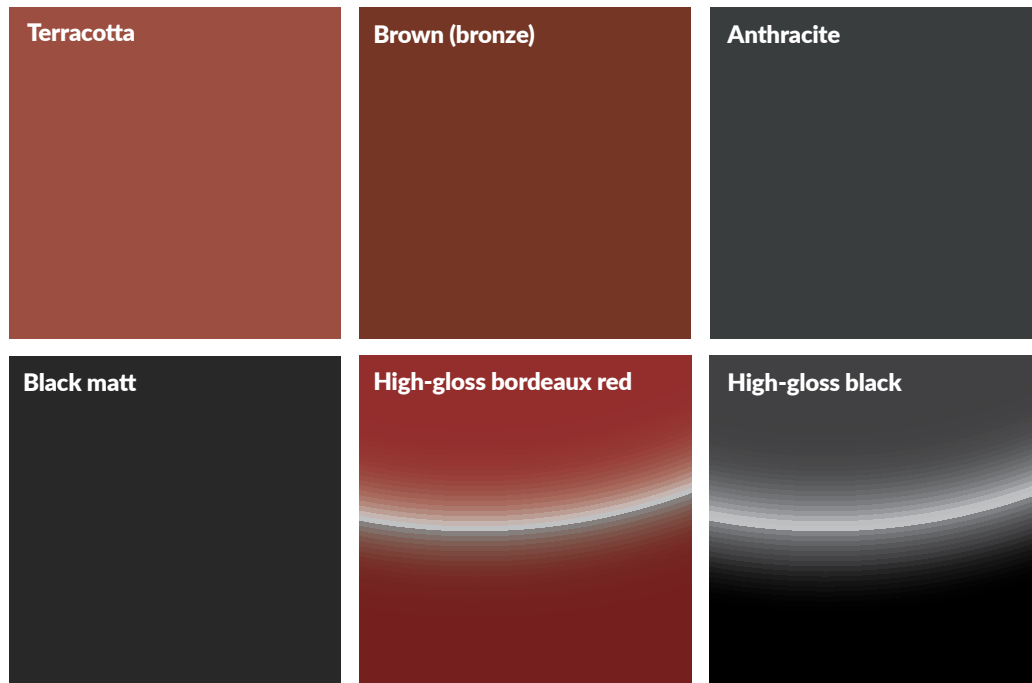
12 ml

• TWIN ACOUSTIC • QUBE ACOUSTIC • QUBE
• PLANO • ROMBO

STANDARD COLOURS

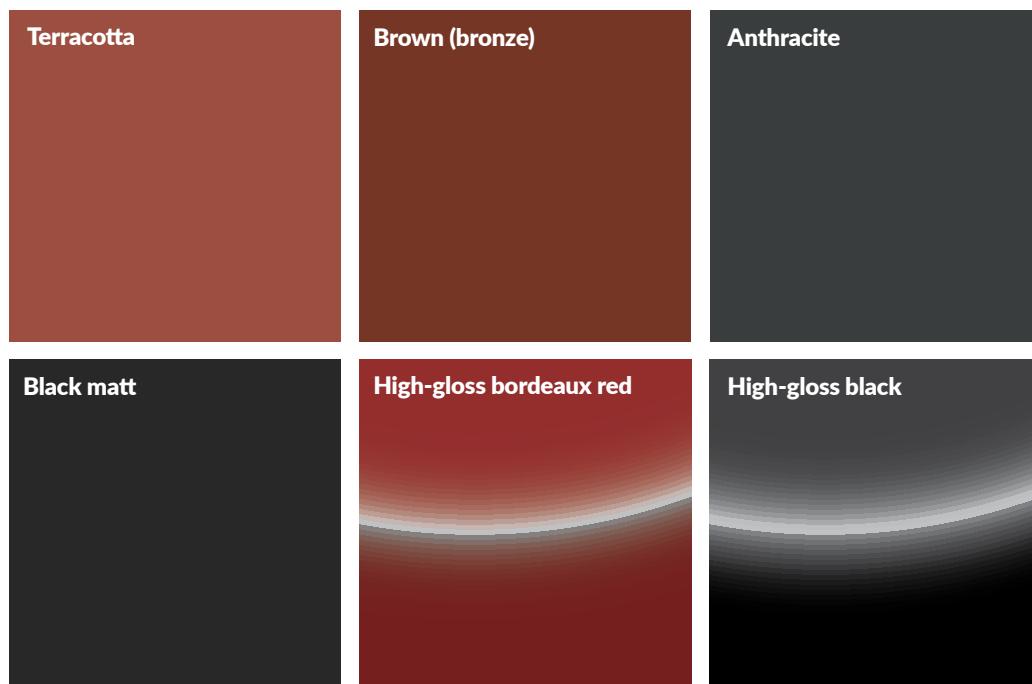
Ultra UV-resistant super durable powder coating (> 80µm)

ROOF TILES: TWIN ACOUSTIC / QUBE ACOUSTIC / QUBE



Ultra UV-resistant super durable powder coating (> 80µm)

Facade elements: PLANO / ROMBO



FREQUENTLY ASKED QUESTIONS

All the products in the catalogue are light, so won't they just blow away?

Given that all products are anchored in place together and they are also mechanically nailed into place in the support structure, the system will definitely not blow away. The systems have been specially developed in order to stand up to the most extreme weather conditions and this has been proven worldwide over many years.

Is there a risk that the materials will start to rust?

No. All TwinTile products are made of ZM250. ZM250 is a steel that is coated with alloy of 93,5 % zinc, 3,5 % aluminium and 3 % magnesium. The excellent corrosion resistance of ZM250 is attributable to the properties of the three components: on the surface of the cladding, aluminium and magnesium functions as a barrier against corrosive substances and the zinc protects the steel via the "sacrificial effect". Thanks to its 3% magnesium content, ZM250 steel offers self-healing on cut edges and superior corrosion resistance in chloride and ammonia atmospheres. The surface of the metal coating is protected by a fine layer of aluminium, which provide a lasting sheen. By opting to work only with quality raw materials, there is a 30 year guarantee.

Are TwinTile products subject to quality controls?

Yes. The products undergo stringent quality controls. Manufacturing quality products is, therefore our key concern. The following quality checks are carried out on our products every day:

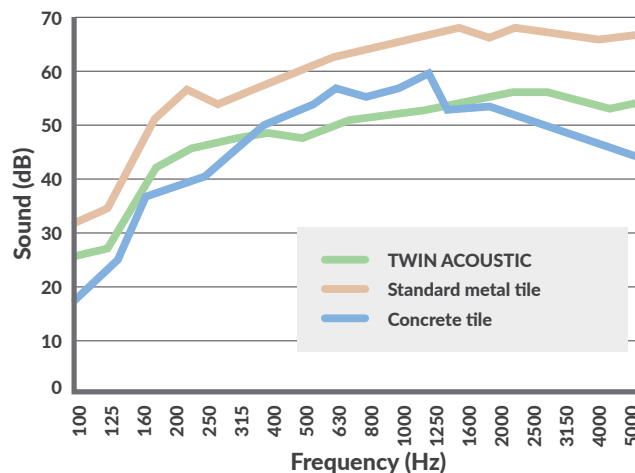
- Measuring coating thickness
- UV resistance tests
- Flexibility tests

As well as the internal tests, ongoing external tests are carried out on the TwinTile by the official quality partners (ATG approval).

Our roofs have been exposed to so-called 'accelerated ageing' in laboratories. After 5,000 hours, equivalent to 10 years of actual exposure to natural elements, there was no noticeable difference in the tile colour.

What acoustic insulation levels do TwinTile products provide?

Sound suppression measurements at the CSTB (French Building Research Center) have proved the acoustically insulating TWIN ACOUSTIC roof tiles to be equal to concrete roof tiles, and perform significantly better than standard metal roof tiles. The results are shown in the chart below.



Are TwinTile products environmentally friendly?

Their long lifespan means that you will not have to replace TwinTile products for at least a few decades, which results in a lower burden on the environment as no new roofing work is needed. The products are also made of steel that can be recycled in the same way as steel cans or vehicle parts. The powder coating on our roof tiles is more environmentally sustainable in comparison with liquid coating, since it contains no solvents that pollute the environment. Thanks to the lightweight, compact dimensions and safe packaging, the transport of TwinTile products costs up to eight times less than clay or concrete tiles. The environment, but also your budget is very happy about this.

What is the difference between roof tiles coated before the forming phase and roof tiles coated after the forming phase?

In our production process, the tiles are first pressed into shape and then coated with 80-micron highly water-resistant polyester powder layer. The coating does not require the solvent because it is cured under heat. During the curing process the powder coating melts and forms long chemical chains as it flows together, which results in high cross-link density. This significantly contributes to the tile durability, by creating a surface coating with excellent mechanical properties and resistance even to colour fading. This coating and heating process follows the tile shape forming phase, ensuring a seamless and uniform coating layer which prevents micro cracks that may occur in in bends of steel tiles that are coated before pressing or roll-forming.





TWINTILE

Part of:



Michielenweg 3
B-3700 Tongeren, Belgium

+32(0)12 24 18 01
office@twintile.com

www.twintile.com