



STONE-COATED METAL ROOF TILES BY TECHNOL

DESCRIPTION:

Over the centuries, people have been improving the ways to protect their homes from rain and sun, wind and heat. Roofing tiles have become one of the most popular coverings for pitched roofs. However, throughout time, new, improved materials have appeared while the essence – the classic appearance – has remained unchanged. Stone-coated metal roof tiles by TECHNOL is an incredible unity of esteemed traditions and innovative technologies.

The collection of colors of stone-coated metal roof tiles by TECHNOL was created with respect to natural shades. Each individual color or combination provides the opportunity to complement the style that will become the hallmark of your home.

PREPARATION:

- Ensure that the roof structure is structurally sound and capable of supporting the weight of the stone-coated metal roof tiles.
- Remove any existing roofing materials, including old shingles or tiles, and repair any damaged or rotten roof decking.
- Install underlayment material over the roof decking to provide an additional layer of protection against moisture and leaks.

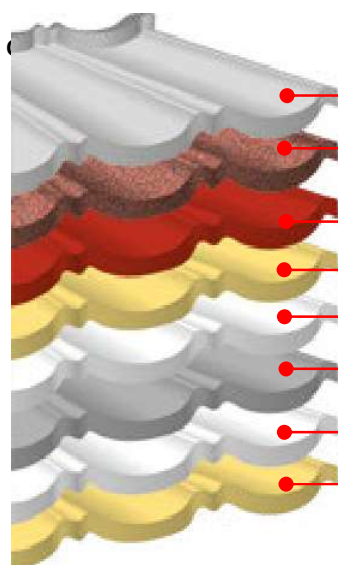
INSTALLATION:

- Begin installing the stone-coated metal roof tiles from the bottom edge of the roof, overlapping each tile to ensure proper water drainage.
- Secure the roof tiles to the roof decking using roofing nails or screws, ensuring that they are properly aligned and spaced according to the manufacturer's recommendations.
- Use a chalk line or other guide to maintain straight rows and ensure uniform spacing between tiles.
- Cut tiles as needed to fit around roof penetrations, vents, and other obstacles, using tin snips or a metal cutting saw.

ADVANTAGES:

- Combined with polymer materials, multiple ageing resistance layer make sure the roofing sheet more durable, longer life span.
- Based with high Strength Steel, Sancier roof tile won't crack under extreme weather. It has passed tests more than 20 times under high temperature (70 degree), more than 40 times non-stopping acid rain (15 degree), 1000H chill test (-30degree). It is strongly weather resistant, stronger and more reliable.
- Adopted ceramic high-temperature baking and coloring process, the color of stone chips is bright and can last up to 50 years.
- Self-interlocking design improves the strength of the overall roof structure. The wind resistance test exceeds level 15, proving the roofing tile safe and secure. Her burn nor spread the fire being the safe roofing material.
- The surface layer of natural colored sand particles minimizes noise on rainy days. Compared with traditional roofs, the noise reduction efficiency has increased by 30%.
- Made of Class A non-combustible fireproof material, it effectively blocks high temperature and flames, making it safer to use.

STRUCTURE:



COMPONENTS:

- Transparent acrylic varnish – contributes to self-cleaning from dust during rain.
- Colored stone granules – protects from mechanical damage and creates an outstanding appearance.
- Acrylic primer – provides adhesion of stone granules.
- Protective coating – serves as an additional anti-corrosion protection.
- Aluzinc (AZ) layer – preserves the steel layer from corrosion.
- High-quality steel sheet – being the base of the material provides strength and rigidity.
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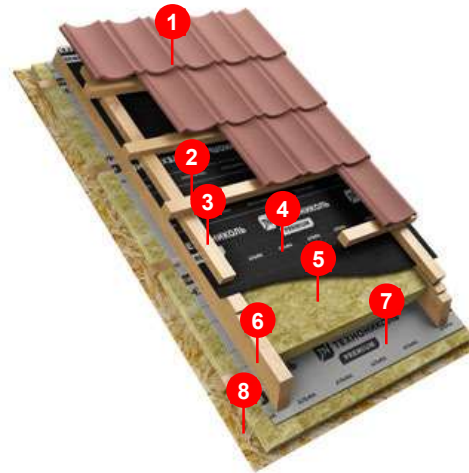
SYSTEMS:

SYSTEM WITHOUT THERMAL INSULATION



1. Stone-coated metal roof tiles by TECHNINICOL.
2. Counter battens.
3. Ventilation space battens.
4. Diffusion membrane TECHNINICOL ALPHA TOP.
5. Rafters.

SYSTEM WITH THERMAL INSULATION



1. Stone-coated metal roof tiles by TECHNINICOL.
2. Counter battens.
3. Ventilation space battens.
4. Diffusion membrane TECHNINICOL ALPHA TOP.
5. Stone wool slabs TECHNOLITE.
6. Rafters.
7. Vapor barrier film TECHNINICOL ALPHA BARRIER 4.0.
8. Attic ceiling.

MAIN CHARACTERISTICS:

Properties	ROMAN	TILE	SHINGLE	SLATE	SHAKE	FLAT SHEET	BARREL CAP	RIDGE CAP
Color Appearance	Smooth, homogeneous structure							
Metal Thickness (mm)	0.5							
Aluzinc Coating (g/sq m)	120.0±5							
Thickness of the coated product without taking into account the bend points, mm (with Granules)	1.8±0.3							
Granule loss, (g/sq m)	not more than 50							
Panel size, mm	1340x420	1340x420	1340x420	1320x420	1340x420	2000x450	420x150	2000x190
Effective size, mm	1290x370	1265x370	1290x370	1250x370	1290x370	2000x450	380x110	1920x170
Panels, pcs/m ²	2.1	2.1	2.1	2.1	2.1	1.1	24	3
Weight, kg/panel	3.1±0.5 kg	3.1±0.5 kg	3.1±0.5kg	3.1±0.5 kg	3.1±0.5 kg	4.5±0.5 kg	0.4±0.5kg	2.6±0.5 kg