

Resistant to Moisture: Nikalit® sheets are resistant to ambient moisture. Fibers reinforced Nikalit® sheets are immune to metal corrosive moist and salts. Thus, Nikalit® sheets can be used safely at high humidity areas such as ocean side buildings.



Resistant to Storm: Thanks to its increased dynamic load bearing properties and the 4-point per sheet screw fastening method, Nikalit® is impervious to storms. Its aerodynamic surface and overlapping protective installation technique provides smooth and safe airflow over the roof.



Resistant to Chemicals: Because of high level of acid and alkaline resistance, N KAL T® roofing and cladding sheets are apt choice for business structures where metal corrosive chemicals are used, and the buildings located near industrial areas. Further, animal wastes such as bird feces do not damage the material.



Dimensional Stability: Nikalit® cladding sheets are not susceptible to rapid temperature changes. They do not soften, sag or become deformed in the summer heat.



Rust Proof: Fiber-cement Nikalit® sheets do not oxidize, this provides an obvious durability advantage over metal roofing which can easily rust when its protective layer damaged.



Nikalit® corrugated sheets bear the CE mark and comply with the requirements of European Standard EN 494 (NT - asbestos free).

Fiber Cement Roofing	Plastic Roofing	Metal Roofing	Parameters
Good	Poor	Average	Fire Resistance
Good	Good	Poor	Thermal Insulation
<b>-0,17 W/mK</b>	<b>-0,20 W/mK</b>	<b>~35W/mK</b>	<b>(W/mK)</b> Thermal Conductivity
Good	Average	Poor	Sound Inculation
Good	Poor	Average	Dimensional Stability
Good	Good	Good	Impact Resistance
Good	Good	Poor	Corrosion Resistance
Good	Good	Poor	Oxidation
Good	Good	Poor	Atmosphere Conditions Resistance
<b>6 mm</b>	<b>0,5-2 mm</b>	<b>0,5 mm</b>	Thickness



Eco-Friendly • Economical • Durable



**NIKALIT®**

Fiber Cement Corrugated Roofing & Cladding Sheets



**NIKALIT®**  
 .Öy" ?« İyπ . .Äē . .É İē «( İ-φ) Çē  
 ÄÄÉÉ  
 Fiber Cement Corrugated Roofing & Cladding Sheets



NI-KA TURİZM GIDA YAPI MALZEMELERİ SAN. VE TIC. LTD. ŞTİ.  
 7 Eylül Mahallesi Sanayi Bölgesi Celal Umur Caddesi No:4 Torbalı/İZMİR  
 Phone : +90(232)853 2910 – +90(232)8532389 – +90(232)853211  
 info@nikalit.com



www.nikalit.com



Ni-Ka LLC. is one of the rapidly growing construction material manufacturing companies in Turkey. Established in 2003 as an independent firm, our production of fiber reinforced cement roofing and cladding sheets became the choice of roofers and end users in such a short time. In 2007, company increased its focus on R&D work; as a result developed an asbestos-free production technology and upgraded the manufacturing lines accordingly. Today, we offer asbestos-free materials in compliance with the international construction materials safety, pollution and environmental regulations.

Nikalit® trade mark roofing, cladding sheets and accessories are made of fiber reinforced cement composites which is also known as Fiber Cement. Asbestos replacement sturdy and flexible engineering fibers used in Nikalit® panels provide high level durability to your roofs.

Nikalit® fiber cement sheets are produced utilizing advanced techniques to provide protection to your building against adverse atmospheric conditions.



Nikalit® fiber cement sheets are used for the roofs of:  
**Industrial buildings:** Factories, workshops, oil refinery buildings,  
**Agricultural structures:** Poultry farms, live stock barns, and hay barns,  
**Commercial Buildings:** Market areas, malls, showrooms and warehouses,  
**Residences:** Apartment buildings, villas and prefabricated buildings,  
 Additionally, the sheets provide sleek and quick application of fencing as well as landscaping.



**NIKALIT®**  
 Fiber Cement Corrugated Roofing & Cladding Sheets

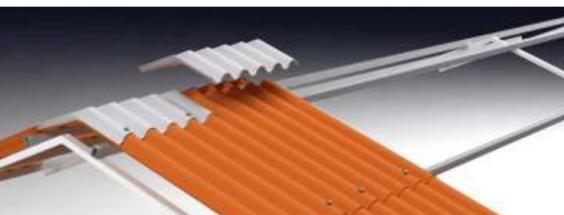
100% Ecologic Nikalit® does not contain Asbestos, which is a hazardous agent for human health and the environment.



Due to natural feature of the Nikalit® composite material; any waste created at the production phase or on work site does not require special handling and can be recycled at municipal wasteland.



Nikalit® corrugated sheets bear the CE mark and comply with the requirements of European Standard EN 494 (NT - asbestos free).



Production of fiber cement composite materials requires minimal energy consumption and thus creates comparably less carbon emissions to the production of substitute materials. Unlike some plastic based materials, fiber cement does not release toxic volatile compounds as a result of heat build up during hot summer days.



Thermal Insulation: Fiber cement materials have approximately 200 times lower thermal conductivity than colored metal sheets. Nikalit® roofing sheets have lower heat build-up on roofs, which helps reduce building insulation expenses. Heat insulation property of Nikalit® is mostly favored by dairy farms where efficiency is important.



Fire Resistant: Non-combustible Nikalit® sheets does not melt with heat. In case of fire, fiber cement composite restricts the spread of raising flames. (Nikalit® is rated as A1 class fire resistant, it is the highest grade among construction materials).



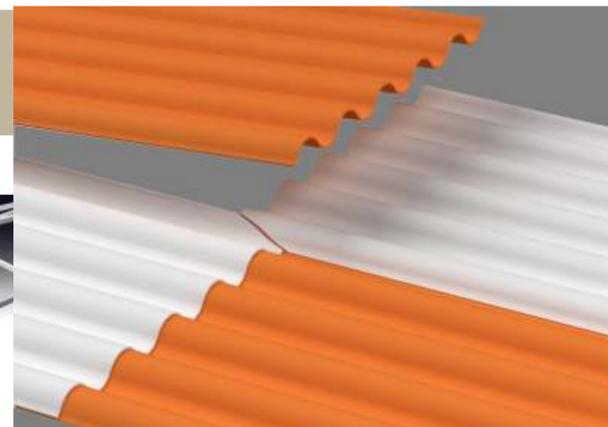
Condensation Control: Nikalit's ability to absorb vapor and diffuse it to the outside when conditions are more favorable, provides condensation control. To a considerable degree.



Acoustic Comfort: Nikalit® dramatically reduces the noise of rain and hail. The sound insulation property of Nikalit® provides acoustic comfort at your work place or farm.



The crystalline composition, formed by hydrolysis of cement, allow you to build breathing healthy structures.



Easy Assembly: N KAL T® panels with the 100-year old traditional assembly features of the fiber cement corrugated panels, make it possible to cover large areas in short periods of time.

Light Weight: New technology N KAL T® sheets possess higher strength/weight ratio and higher flexibility compared to conventional concrete.



Economical: Nikalit® cladding sheets have lower initial cost compared to metal and plastic materials. Nikalit® do not require an extra maintenance expenses. Theoretic life of the fiber cement deemed to be infinite.



Impact and Load Bearing: Loss that could occur during storage, transportation and assembly is at a minimum level.



Painting: Depending on the architectural design of your building, the natural stone gray Nikalit® sheets can be painted any color at the job site. The smooth surface of the sheets require a minimum amount of paint.



Versatile: N KAL T® panels bring an aesthetically pleasing look on your building and can be produced in various shapes, sizes and thickness upon enough demand.



Resistant to Pests: The alkaline properties of fiber-cement ensures resistance against mold, rodent and insect damage.



**NIKALIT®**  
 Fiber Cement Corrugated Roofing & Cladding Sheets



**NIKALIT®**  
 Fiber Cement Corrugated Roofing & Cladding Sheets