

## ***BITUMEN ROOFING SHINGLES***

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CLASSIC KL | ROCKY | AMBIENT | JAZZY | 3T | KATRILLI

***KATEPAL***

# Quality roofing from Finland since 1949

**Katepal is the leading Finnish manufacturer of bitumen products, in business since 1949. Its range covers a wide variety of bitumen-based roofing and waterproofing materials produced on modern and highly automated machinery.**

The Katepal trademark unites the concepts of quality, reliability and individuality. This has been recognised by professionals as well as do-it-yourself builders.

Katepal has clients in many countries in Europe,

in Russia, in the Middle East and in the Asia Pacific area.

The principal products are:

- roofing shingles
- SBS-elastomer bitumen felts
- self-adhesive membranes
- single-ply roofing membranes

Katepal roofing shingles provide a singular opportunity to give a building its own individual style. Several patterns and colour matches are available.

The bitumen membranes and roofing shingles are complemented by a wide range of high-quality liquid applied products for membrane bonding, priming, moisture proofing and maintenance.

Katepal directs its investments in research and development to ensure that its products remain at the forefront in application and endurance.



## Katepal bitumen roofing shingles offer superior quality to homeowners

**Katepal brings a material formerly only used by professionals, i.e. SBS modified bitumen, to private clients throughout its range of roofing shingles and all colour options.**

**SBS elastomer bitumen is the true super material for roofing shingles, with superior qualities compared with other bituminous roofing shingle materials.**

### **Good bending durability and improved tear resistance**

Katepal roofing shingles withstand repeated bending exceptionally well. This property is particularly valuable at the installation stage when finishing edges and angles.

### **Elastic even in cold weather**

Modern bitumen shingles and bitumen membranes have proved to be durable in both scorching tropical and freezing arctic weather conditions. That's why, for example, in the USA, over 80% of pitched roofs are covered with bitumen roofing shingles!



### **Material with a long life span**

SBS elastomer bitumen is both a strong and durable material that can withstand mechanical and chemical stresses extremely well.

### **Granular surfacing adheres well**

The granular surfacing adheres to the elastomer bitumen of the Katepal roofing shingles even better than before. A strong granular surfacing improves the durability of the roof; the Katepal roof keeps its surfacing and colour. In rain and hard wind

bitumen roofing shingles are comfortably quiet.

Durability is not the only reason why bitumen shingles are the stylish and intelligent roofing choice of the modern builder.

The whole system tips the scales in favour of bitumen shingles – add to durability the great appearance of the shingles, ease of installation & maintenance, and reasonable costs... you will have no difficulty in making the decision!



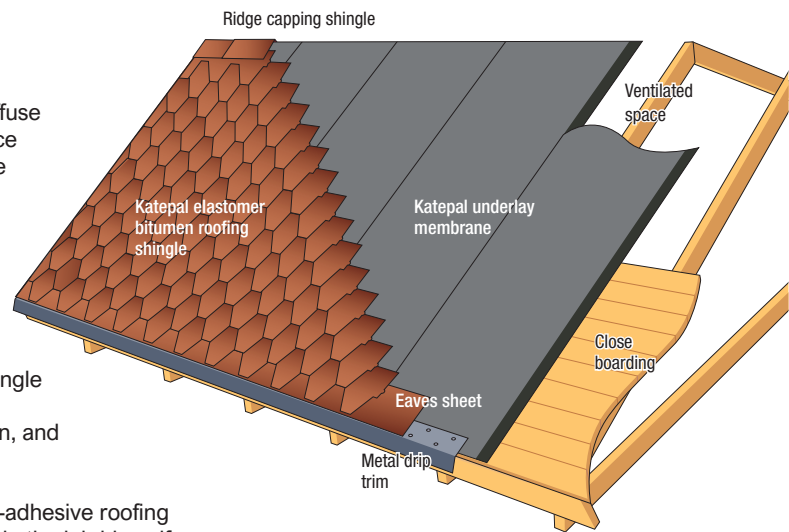
Ambient Silver Coral

## Build right – install roofing only on proper decking

There is always moisture inside a building and it has a tendency to diffuse outward, also through the ventilated roof space. In this ventilated space humidity may condense on the first airtight cold surface. If this surface is tiles or sheet metal, humidity may condense on the underside of it, freeze and melt in the spring to be absorbed by the insulation or – sometimes it may even seep through the structure and drip inside. If proper ventilation is lacking, the result may be mould damage.

When the roofing is supported by sturdy, close boarding the moisture is absorbed into the wood and gradually evaporates. Bitumen shingle roofing should always be installed on appropriate decking. Roof-ing shingles and roof deck boarding improve thermal and sound insulation, and make your roof safe, durable and good looking.

Roofing shingles are lightweight, pliable and easy to work. Laying self-adhesive roofing shingles is easy and requires no special tools. The builder can easily do the job himself.



	Tiled roof	Plastic coated sheet metal roof	Elastomer bitumen shingle roof
Durable	●	●	●
Easy and safe to install, no special tools needed			●
Pliable, easy to shape			●
Lightweight, no added loads on structures		●	●
Waterproof			●
Silent	●		●
Integrates into the landscape	●		●
Wear resistant surfacing, "Keeps its coating"	●	○	●
Safe, functional roofing	○	○	●

Katepal roofing shingles are type approved by the Finnish Ministry of the Environment and several other countries where our products are exported. Katepal complies in all its operations with the requirements of a certified ISO 9001 quality system.

## Easy calculation of material quantities

### Roof pitch

Minimum pitch 1:5, i.e. 12°.

### Roof decking

The decking should be built of air-dry, rough-sawn T & G boards or square-edged rough sawn boards. It must be flush, dry and rigid. Roofing shingles can also be laid easily on existing bitumen felt membrane roofing.

### Quantity of roofing materials

The needed quantities of roofing materials can be calculated easily using material calculator on the English section of Katepal website [www.katepal.fi](http://www.katepal.fi) Please allow for 2% waste when calculating the quantities of roofing shingles.

### Quantity of underlay

We recommend use of underlay membrane throughout the roof. Katepal SuperBase underlay

felt or other underlay product manufactured or approved by Katepal is used as underlay. The quantity of underlay needed is 1.15 x the roof area.

### Quantity of nails

Each shingle is fixed with four nails. The quantity of galvanised clout nails needed is 0.06–0.07 kg/m<sup>2</sup> of roof area (nail length 25–35 mm). The nails must be long enough to go through the decking.

### Quantity of lap cement

The following quantities of Katepal K-36 sealant are needed for sealing joints:

- Chimney base: 3 litres/chimney
- Verges: 0.1 litres/metre of verge length
- Valleys: 0.4 litres/metre of valley length
- Underlay jointing: 0.1 litres/m<sup>2</sup> of underlay (not for self-adhesive underlay)

## Colours and styles

For reasons of printing technology these examples may differ slightly from the colours of the actual roofing shingles.

### Classic KL



### Rocky



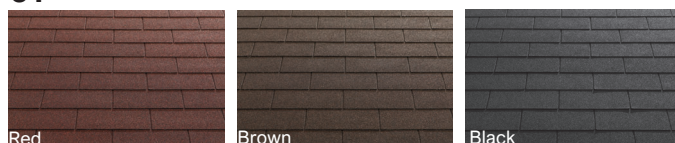
### Ambient



### Jazzy



### 3T



### Katrilli

