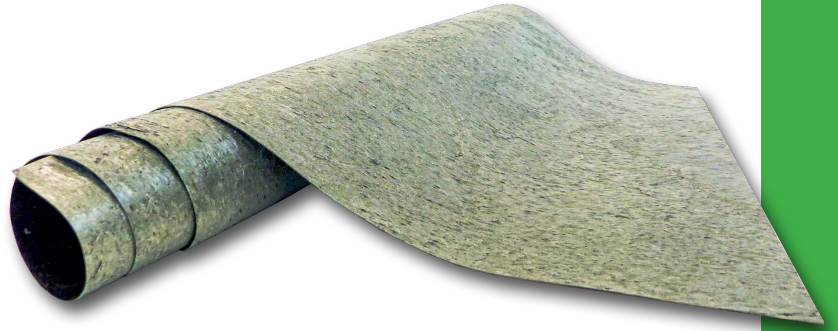




SLATE LITE

the future of stone.



DATA SHEET: ULTRATHIN ECO+

PRODUCT

UltraThin eco+ consists of an approx. 0.3 - 0.8 mm thin stone layer and a carrier material made of reinforced cotton fabric to ensure the stability of the product.

MATERIAL COLOR AND COLOR DEVIATIONS

Natural stone is an absolutely timeless, natural product that has developed within millions of years. Deviations in coloration and pattern may therefore occur. However, we strive to provide you with a product that is as uniform as possible, with a strong resemblance in coloration and texture. For large areas, contact us to obtain a color scheme that is as homogeneous as possible. We also offer a photomatching service. For available colors and decors, please refer to our current catalog, sample booklets or online store.

STANDARD SIZES

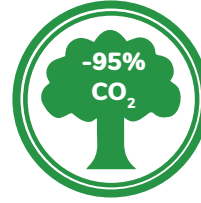
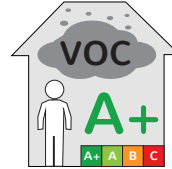
Standard format: 1.220 x 610 mm
Large format: 2.400 x 1.200 mm

Both sizes are available in most decors and mostly in stock. For exact availabilities please contact our sales department.

*) Please note that size deviations of ± 1.5 mm in width, length or diagonal are possible due to production.

FORMALDEHYDE

UltraThin eco+ is formaldehyde-free.



CE Mark

UltraThin eco+ has been approved according to CE standard:
DIN EN 151012:2011-12
DIN EN 15102:2008+A1:2011

FIELDS OF APPLICATION

Walls, furniture construction, interior accent points.

STORAGE

The material should be stored horizontally and flat to avoid deformation. The material should be stored in a dry, frost-free place protected from sunlight. Severe temperature fluctuations should be avoided as this could deform the material.

WEIGHT

approx. 800 g/m²

TOTAL THICKNESS

approx. 0,5-0,9 mm

DENSITY

1,45 kg/m²

HEAT RESISTANCE

60° C (80° C for a short time)



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WORKING TEMPERATURE

The recommended processing temperature is 10°C to 35°C. Adding heat makes the material more flexible.

Temperatures of up to 400°C can be used in the context of spot heating.

FORMABILITY

UltraThin eco+ is three-dimensionally formable by heat.

SUBSTRATES

Wood, metal, glass, sheetrock, concrete, etc. Please observe the instructions and data sheets of the adhesives or plastics used for substrate processing.

Note: UltraThin eco+ is not suitable for exterior and wet areas.

PROCESSING TOOLS

Carpet knife, scissors, drill. The use of guide rails when cutting is recommended. If painter's masking tape is to be used, care must be taken not to leave adhesive traces. Do not use the tape on surfaces that have already been sealed, as well as tape that is too adhesive and do not leave the tape on the material for too long. Please test any adjustments to the material and tools used on an inconspicuous area or sample beforehand.

PRESSING ON WOOD, RIGIPS AND HARDFIBERS

Pressing with 1-component PU adhesive (polyurethane) to achieve the best results. Thickness-compensating allowances: 120 g/m² backing paper or 0.8 mm HPL.

Use additional 7-mm rubber inserts with a hardness of 50 Shore.

Carefully select the press pressure depending on the design of the press. UltraThin eco+ can also be glued with our Slate-Lite Extreme Adhesive (A2 notched trowel) or with standard wood glue.

CLEANING

All natural stone surfaces must be damp wiped regularly despite impregnation or sealing. Use a lint-free cloth for this purpose.

Important note: Acid cleaners can damage the surface of the stone!

SURFACE PROTECTION

For detailed information on our impregnations and sealants, please refer to the respective data sheets and instructions.

Important note: Do not use impregnators and sealers until the UltraThin eco+ sheet has been bonded, otherwise the coating may crack.

SHIPPING / UNPACKING

The UltraThin eco+ material is normally packed rolled in boxes and shipped on pallets or in the box. All common transport routes are suitable: sea and air freight as well as courier shipments. Since UltraThin eco+ is very light, it can be shipped worldwide without any problems. For urgent shipments, it is even recommended to send by courier.



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LIFE CYCLE ASSESSMENT

With Slate-Lite you are choosing an environmentally friendly stone decoration! The emission rates on the transport routes are many times lower with Slate-Lite than with conventional stone slabs, which leads to a significantly more positive eco-balance.

The majority of our goods are shipped by sea to our central warehouse. With a pollutant quantity of approx. 15.1 grams of CO₂ emission per kilometer (source: NABU) the following example calculation of one of our containers results:

(Comparative calculation: sea route India/Germany. granite slab vs. slate-lite)

	Route	Material (m ²)	Weight (kg)
Slate-Lite	Sea container 40	10.637 m ²	26.500 kg
Solid stone slab (2 cm)	Sea container 40'	441 m ²	26.500 kg
	Distance (km)	CO ₂ emission (g)	CO ₂ emission / m ²
Slate-Lite	7.500 km	3.001.125,00	282,12 g
Solid stone slab (2 cm)	7.500 km	3.001.125,00	6.806,27 g

So one sheet of Slate-Lite produces about 95% less CO₂ than a conventional thick stone slab during transport!

Furthermore, the manufacturing process we have developed also conserves natural resources in the quarries: From the stone material of a single conventional stone slab of 2 cm, we obtain 200 - 300 slabs of Slate-Lite, depending on the decor!

Of course, we are also relying more and more on recyclable solutions for our packaging, so that we have already been able to reduce the proportion of plastic waste many times over in recent years. And we will of course continue to work on this path in the future!

INFORMATION: MATERIAL TESTING AFTER RECEIPT

Slate-Lite is made from layered stone. Color differences in the individual slabs as well as quartz veins running through the stone, natural cracks or slight chipping may occur.

This is not a reason for complaint, but is a characteristic of the natural stone surface! Should you nevertheless discover a defect or excessive changes in color or structure in the goods sent, please inform us immediately within 14 days.

Goods that are processed despite obvious defects are excluded from recourse claims!