

TECU®

PRODUCT RANGE
COPPER FOR
ROOF AND FAÇADE

Overview

KME Germany GmbH
COPPER DIVISION
[EN]





COPPER — A SUSTAINABLE MATERIAL

TECU® products are made from 100% recycled copper. Copper and copper alloy materials are 100% recyclable without any loss of quality. This significant added value of TECU® products is also a decisive argument for the use in buildings with LEED, BREEAM or DGNB certificates.



THE DECISION TO DESIGN BUILDING CLADDING WITH COPPER LEAVES PLENTY OPPORTUNITIES FOR CREATIVITY.



Durable TECU® products from **KME** offer many unique possibilities. The striking natural surfaces in copper and copper alloys allow for singular design. Prefabricated system elements offer a wide range of solutions, from free-form designs to the simple and economic cladding of larger areas.

Once in place, TECU® products come to life and become even more beautiful over time.

TECU®

TECU® Patina

Copper material, patinated green on one side. The natural green patina of copper impresses right from the outset – without having to wait for the atmosphere to exert its influences.



New diversity for a green facade!

The many different nuances and shades of the surface blend only gradually. After installation the surfaces continue to develop in a completely natural manner being characteristic of copper.

MODERN SOLUTIONS IN COPPER - FOR ROOF AND FAÇADE

TECU® Premium

An innovative alloy of copper with a small proportion of high-grade tin. For easy processing, an extra-ordinary appearance from the very beginning and for intensive and rapid oxidation. TECU® Premium has a finely beaded pre-structure and a matte finish.

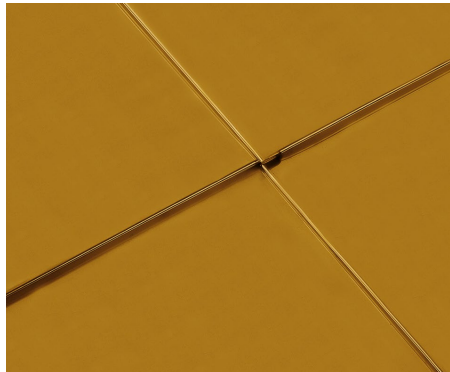
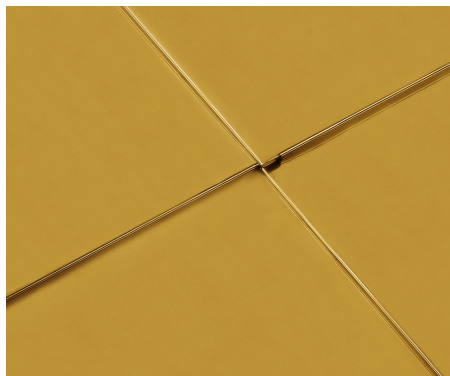


TECU® Bronze

An alloy of copper and tin with a pleasant, warm, reddish brown surface, which develops in a manner characteristic for bronze through the effects of weathering.

TECU® Gold

A copper alloy with a long-lasting warm, brown golden surface. Façade solutions in TECU® Gold give buildings a discreet value image.



TECU® Brass

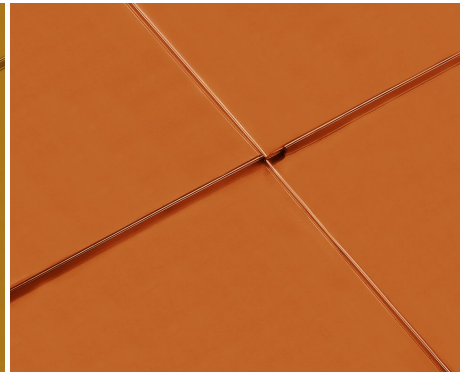
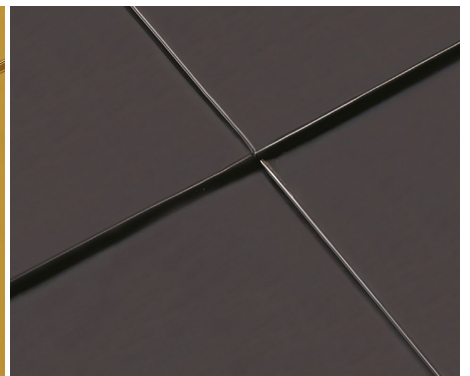
A copper-zinc alloy for façade cladding with a yellowish golden surface that regularly changes with the effects of weathering.

TECU® Brass_brownished

Brownished brass: Upon request, we offer various brownished surface options for architects and designers seeking extraordinary finishes made of TECU® Brass. Please feel free to contact us for further information.

TECU® Oxid

Roofing and façade cladding material, oxidised on both sides: The aesthetic appearance of an attractive, naturally oxidised surface right from the moment it is installed.



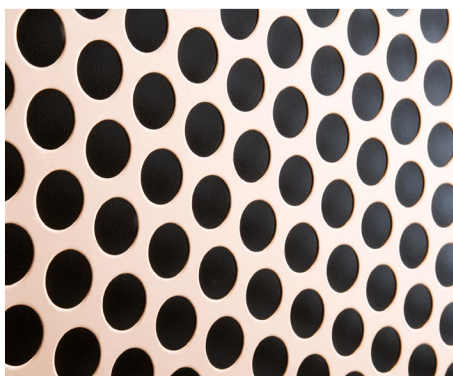
TECU® Classic_coated

The longer bright beauty of copper! TECU® Classic_coated is the time-tested TECU® Classic copper in various thicknesses, provided with a transparent 2-layer coating system.

TECU® Design

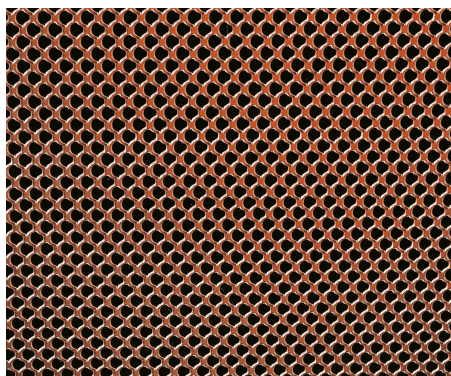
_punch

The perforations of the TECU® surfaces are made by punching the copper and copper alloy strips after production. The punched parts are fed immediately to the recycling process where they are further processed.



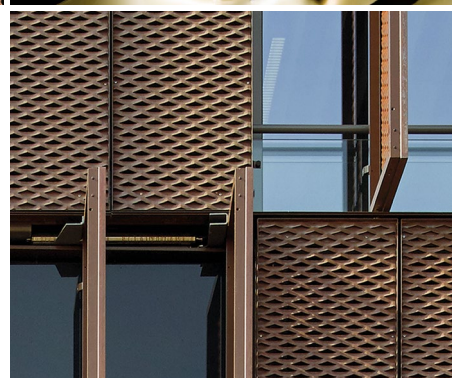
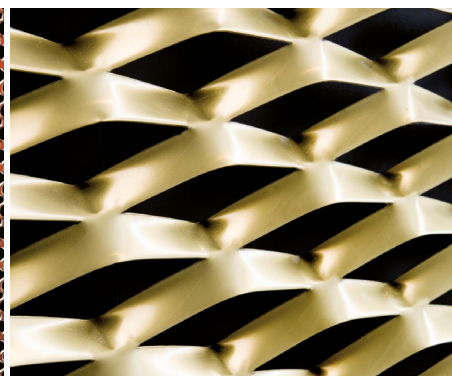
_flatmesh

The TECU®_flatmesh designs are also made by perforating the copper and copper alloy strips and then stretching the material. The stretched metal is then rolled to produce the almost flat TECU®_flatmesh surface.

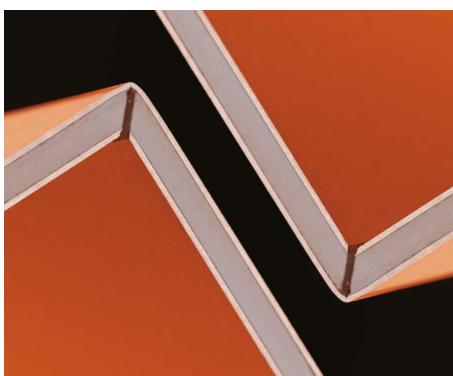


_mesh

After the copper and copper alloys strips have been produced the TECU®_mesh structures are created by perforating and then stretching the material.



TECU® Bond



TECU® Bond

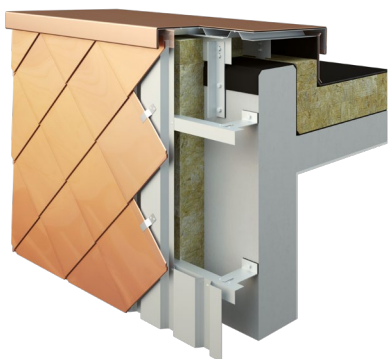
The composite material offers all the aesthetic properties of the TECU® surfaces but can be cut to size and installed on large areas much more quickly and easily. The material is available in B-s1,d0 and also available on request in A2 according to the classification of fire behaviour.

TECU® Application Techniques

TECU® System Shingles

TECU® System Rhomboids

System shingles and system rhomboids of TECU® quality offer besides their special aesthetic qualities decisive economic advantages in façade design. Cladding elements are laid simply by hanging them and interlocking them with each other.

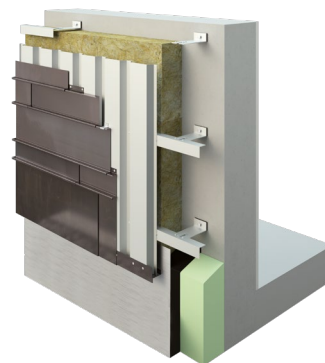


TECU® Slot-In Panels System

TECU® Panels are two-sided cladding elements, with or without an end base, depending on the construction. Individual lengths are as long as 4,000 mm with a standard width of up to approx. 400 mm. Assembly at the building site is performed according to the tongue and groove principle or by overlapping.

TECU® Cassettes

TECU® Cassettes are cladding elements with folded edges on all sides available in a range of geometrical proportions from 1:1 to 1:4. They are exclusively pre-profiled to the customer specifications and/or according to suggestions made by the architect.



TECU® Standing-Seam System

The use of angle standing seams and batten cap cladding is an ideal solution for custom designed free forms as well as for traditional roof and façade constructions. TECU® products for these types of cladding are available in sheets and strips.

Further information:

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