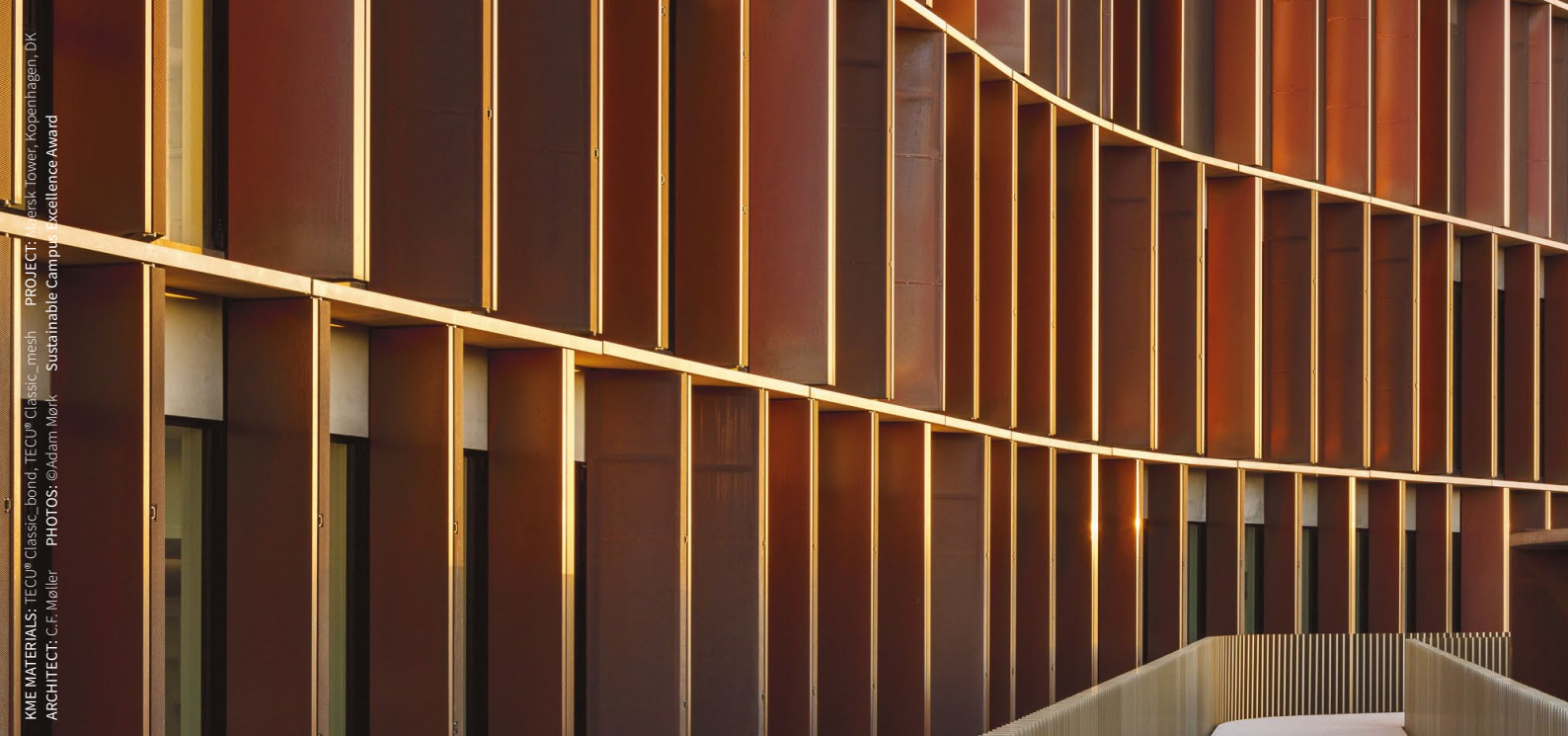


TECU®

SUSTAINABLE COPPER
FOR ROOFING AND
FAÇADE CLADDING

KME Germany GmbH
COPPER DIVISION
[EN]





KME MATERIALS: TECU® Classic_bond, TECU® Classic_mesh
PROJECT: Mærsk Tower, Copenhagen, DK
ARCHITECT: C.F. Møller
PHOTOS: ©Adam Mork
Sustainable Campus Excellence Award

TECU® – COPPER SHEETS AND STRIPS FOR A FORWARD-LOOKING ARCHITECTURE

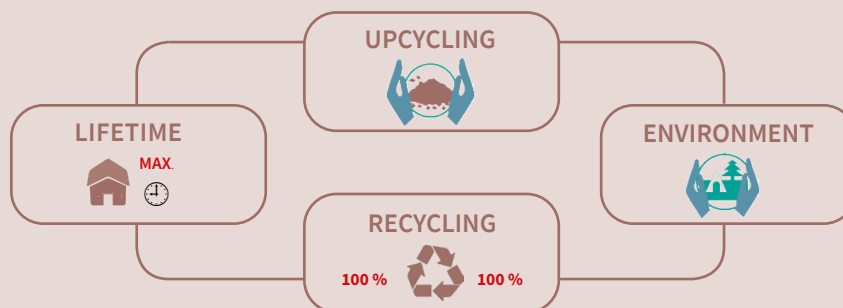
TECU® products from **KME** are made of copper and copper alloys. Copper is a natural element. Copper products are durable, recyclable and committed to the idea of sustainability "by nature". For the manufacturing of TECU® products, copper is used exclusively from recycled stocks. Copper is 100% recyclable, so there is a huge potential: 90% of all copper ever extracted and processed worldwide is still in use today.

Building with TECU® is a commitment to sustainability. The environmentally friendly properties of the material are certified according to ISO 14025 and EN 15804 (EPD). Building certifications are possible according to LEED, BREEAM and DGNB.

PRODUCT AND RESPONSIBILITY



- Environmentally friendly **KME** process technologies such as the innovative melting technology for recycling ensure productivity, resource conservation, energy efficiency and climate protection.
- **KME's** quality management is certified according to ISO 9001 and IATF 16949.
- **KME's** environmental and energy management is certified according to ISO 14001 and ISO 50001.
- **KME's** occupational health and safety is certified according to OHSAS 18001.
- **KME** is a member of the MARS (Metal Alliance for Responsible Sourcing) initiative in favour of a sustainable design and certification of raw material procurement.



TECU® ECOLOGICAL COPPER: SUSTAINABLE BENEFITS

UPCYCLING

TECU® products are solely made from scrap metal and production scrap – with all the economic and ecological advantages.

Copper can be endlessly reused without any loss of quality. Copper refining at KME enables the complete removal of any impurities. This is an advantage over aluminium, for example, whose alloy, composite and coating components are rather difficult to remove.

ENVIRONMENT

TECU® products are ecologically harmless and environmentally friendly throughout the entire production and usage cycle.

Copper is a natural product and does not leave behind any environmentally harmful waste. During recycling, modern processes ensure a constant reduction in CO₂ emissions.

LIFETIME

TECU® products last for at least the life of a house when professionally installed - and retain a high value even after that.

Copper ages slowly, without corrosion and practically maintenance-free with almost complete value retention. After decades of use, dismantling provides valuable and recyclable scrap metal for new products.

RECYCLING

TECU® products make a significant contribution to the protection of our resources in an economically sound recycling cycle.

Copper recycling with environmentally friendly process technologies protects our natural resources, e.g. by saving the enormous amount of energy required for ore mining.

KME MATERIAL: TECU® Brass PROJECT: Shane Homes YMCA at Rocky Ridge (AL), CA
ARCHITECT: GEC Architecture, Calgary (AL), CA INSTALLER: Thermal Systems, Calgary (AL), CA
LEED certified (Gold Rating)

® = Registered Trademark

We reserve the right to make changes in the interests of technical progress.
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ARCHITECTURAL SOLUTIONS

PHOTO: ©GEC Architecture
(Photographer: Adam Mork)

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