

TECU® Bond

The Copper Composite
for Façade Cladding



KME Germany AG
TECU® Bond
[GB]



Member of the
KME Group

TECU® Bond	1
TECU® Sizes and Availability	6
TECU® Project Consulting	8

Private Residence, Nuremberg
Haid+Partner Architekten+Ingenieure, Nuremberg
Schlosserei Spenglerei Straßl, Arnstorf
TECU® Bond



Large façade areas need attractive and exquisite materials to create an impressive effect – but these materials also have to be durable and easy to work with so that the investment pays off. TECU® Bond is the answer. With this new composite material you can design façades and interior spaces in copper more effectively, easily, quickly and economically. And you don't have to compromise on the outward appearance, since the material has the same high aesthetic qualities as all TECU® surfaces. Now nothing stands in the way of designing large, high-quality, even surfaces.





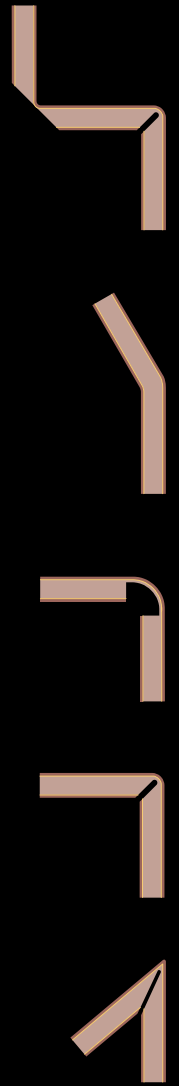
Bonded with copper

TECU® Bond enables you to create elegant solutions in copper for ventilated curtain walls – as well as cladding, roofing and interior work – quickly and economically. The composite sheets are simple but efficient in design: under high pressure, 0.3-mm-thick sheets of TECU® copper are applied onto both sides of a polyethylene core. The result: an extremely robust material bond and an ideal façade material that is attractive, durable and economical.

The design is ingeniously simple and the material is also quick and easy to work with. TECU® Bond is prepared and cut to size in the workshop; the sheets are then installed on the building site in no time at all – there is no need to invest in the equipment that is usually required for façade construction. And so that there are no minor accidents in the rush, a protective film is applied to the visible surface in the factory, which is removed only after the sheets have been installed. Consequently, TECU® Bond enables elegant solutions at a reasonable cost; for example, for ventilated curtain walls, fascia, parapet and soffit cladding, roofing and interior work.

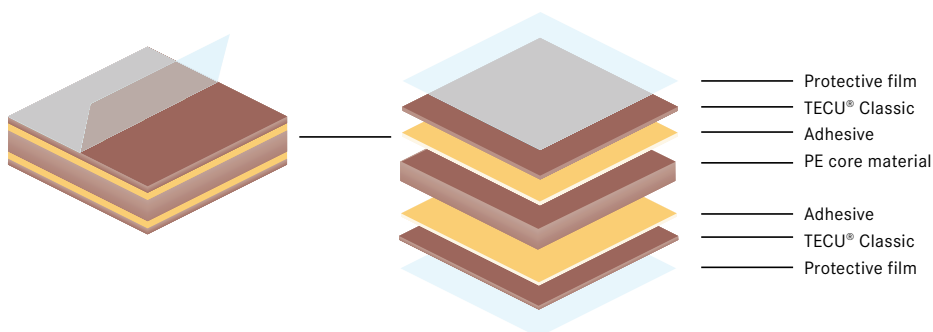
TECU® Bond is the perfect combination of durability, efficient use of materials and the exquisite visual appearance of the copper surface with exceptional stability – optimised by this unique bond of materials.

*Simpler, faster,
more economical*



The advantages

- Even
- Warp resistant
- Optimum weight
- Low thermal expansion
- Excellent noise insulation
- High mechanical resistance





TECU® Sizes and Availability

TECU® Sheets

TECU® Classic

Format/Thickness	0.5	0.6	0.7	1.0	1.2	1.5	2.0
1000 x 2000		•	•	•		•	•
1000 x 3000		•	•	•		•	•
1250 x 2500		•	•	•		•	•

TECU® Patina

Format/Thickness	0.5	0.6	0.7	1.0	1.2	1.5	2.0
600 x 2000			•				
600 x 3000			•				
670 x 2000		•	•				
670 x 3000		•	•				
800 x 3000			+				
1000 x 2000		•	•	+	+	+	
1000 x 3000		•	•	•	+	+	

Manually patinated longer sheets available on request

TECU® Brass

Format/Thickness	0.5	0.6	0.7	1.0	1.2	1.5	2.0
670 x 2000			•				
670 x 3000			•				
1000 x 2000			•	•			
1000 x 3000			•	•			+

Burnishing by FRICKE GmbH & Co. KG available on request

TECU® Bronze

Format/Thickness	0.5	0.6	0.7	1.0	1.2	1.5	2.0
670 x 2000			•	•		+	
670 x 3000			•	•		+	
1000 x 2000			•	•		+	
1000 x 3000			•	•		+	
1250 x 2500			+	+		+	

Burnishing by FRICKE GmbH & Co. KG available on request

TECU® Gold

Format/Thickness	0.5	0.6	0.7	1.0	1.2	1.5	2.0
670 x 2000	+		•	•			
670 x 3000	+		•	•			
1000 x 2000			+	+			
1000 x 3000			+	+			

TECU® Strips

TECU® Classic

Width/Thickness	0.5	0.6	0.7	1.0	1.5
200		•	•		
250		•	•		
333		•	•		
400		•	•		
500		•	•		
600		•	•		
670		•	•		
800		•	•		
1000		•	•		
1220		•	•		
1250		•	•		

TECU® Oxid

Width/Thickness	0.5	0.6	0.7	1.0	1.5
500		•	•		
600		•	•		
670		•	•		

TECU® Zinn

Width/Thickness	0.5	0.6	0.7	1.0	1.5
500		+	+		
600		•	•		
670		•	•		

TECU® Brass

Width/Thickness	0.5	0.6	0.7	1.0	1.5
670			+	+	
1000			+	+	

TECU® Bronze

Width/Thickness	0.5	0.6	0.7	1.0	1.5
670			+	+	+
1000			+	+	+
1250			+	+	+

TECU® Gold

Width/Thickness	0.5	0.6	0.7	1.0	1.5
1000	+		+	+	

- available
- + on request

Other dimensions and availability available on request.
Further information: Project Consulting, Tel. +49 541 321-2000
All measurements in mm.

TECU® Net
TECU® Bond

TECU® System Products

TECU® Net (stretch levelled)

Thickness	0.7	1.0
Format 1000 x 2000	•	•
Format 1000 x 3000	•	•
TECU® Net Classic	•	•

Other formats available on request

TECU® Net (stretched)

Thickness	1.2
Format	on request
TECU® Net Classic	+
TECU® Net Patina	+

TECU® Net (perforated)

Thickness	1.0
Format 1000 x 2000	
TECU® Net Classic	+
TECU® Net Patina	•
TECU® Net Brass	+

Thickness	1.0
Format max. 670 x 2000	
TECU® Net Bronze	+
TECU® Net Gold	+

Other formats available on request

TECU® Bond

Nominal thickness	4.0
Thickness of copper 0.3 on both surfaces (alternatively 0.5)	
Format 1000 x 3000	
TECU® Bond Classic	•
TECU® Bond Patina	+
TECU® Bond Brass	+
TECU® Bond Gold	+

TECU® System Shingles

	Format	600 x 430	600 x 600
		Rectangular	square
	TECU® Classic	•	•
	TECU® Oxid	•	•
	TECU® Patina	•	•
	TECU® Zinn	•	•
	TECU® Brass	+	+
	TECU® Bronze	+	+
	TECU® Gold	+	+

Manufacture and sale:
FRICKE GmbH & Co. KG

TECU® System Rhomboids

	Format	518 x 830	518 x 758
		Sharp	Round
	TECU® Classic	•	•
	TECU® Oxid	•	•
	TECU® Patina	•	•
	TECU® Zinn	•	•
	TECU® Brass	+	
	TECU® Bronze	+	+
	TECU® Gold	+	+

Manufacture and sale:
FRICKE GmbH & Co. KG

TECU® Façade Tiles

	Format	200 x 200
	TECU® Classic	•
	TECU® Gold	+

Manufacture and sale:
FRICKE GmbH & Co. KG

TECU® Panels

Lengths up to 4000, Widths up to 400		
	TECU® Classic	•
	TECU® Oxid	•
	TECU® Patina ¹	•
	TECU® Zinn	•
	TECU® Brass	•
	TECU® Bronze	•
	TECU® Gold	•

¹ Lengths up to 3000
Manufacture and sale:
FRICKE GmbH & Co. KG

TECU® Cassettes

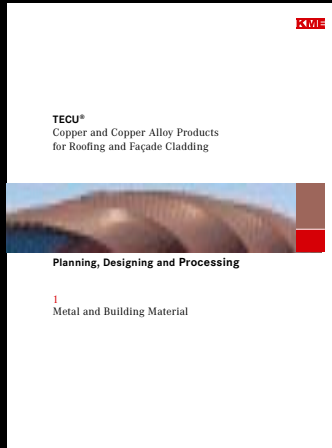
Custom manufacturing		
	TECU® Classic	•
	TECU® Oxid	•
	TECU® Patina	•
	TECU® Zinn	•
	TECU® Brass	•
	TECU® Bronze	•
	TECU® Gold	•

Manufacture and sale:
FRICKE GmbH & Co. KG

TECU® Profiled sheets

Corrugated and trapezoidal profiles		
Formats available on request		
	TECU® Classic	+
	TECU® Oxid	+
	TECU® Patina	+
	TECU® Zinn	+
	TECU® Brass	+
	TECU® Bronze	+
	TECU® Gold	+

Manufacture and sale:
FRICKE GmbH & Co. KG



Service

TECU® products from KME are made to meet the demands placed on them by all kinds of different constructions. Many of their recognized, quality features are a result of close communication with expert customers in the building industry.

TECU® stands for a combination of high quality and complete service. As the world's leading processor and refiner of copper and copper alloy products, KME provides its technical advisory service to developers, architects, clients and roofers throughout Europe and beyond.

Information and consultation provided by TECU® Project Consulting ensure skilful use of materials, and make possible the realisation of perfect and aesthetically demanding solutions with TECU® products. The reference publication *TECU® – Planning, Designing and Processing*, is a rich source of detailed information – now available in five languages.



Seminars and training courses

For everyday work in an architect's office, practical knowledge about the professional use of high-quality TECU® products is just as valuable as having reliable information about legal and organisational issues or new technologies. KME invites anyone with an interest in these issues to take part in special seminars for architects, which are held regularly in the **KMEForum** in Osnabrück.

The aesthetic and economic superiority of TECU® products is fully exploited when the material is used in a qualified manner in accordance with technical requirements. KME's TECU® Training Centre in Osnabrück offers multi-level professional seminars in which theoretical and practical processing techniques are taught at various levels of difficulty. Students apply their skills in practical work on models. The training events take place in the new **KMEForum** in Osnabrück, which is fully equipped with all modern training facilities, and offers a practice-oriented setting.

Courses are offered throughout Europe in collaboration with trade organisations and associations. This service is part of TECU® quality offered by KME.



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