# **coloured** Mesh

coated mesh

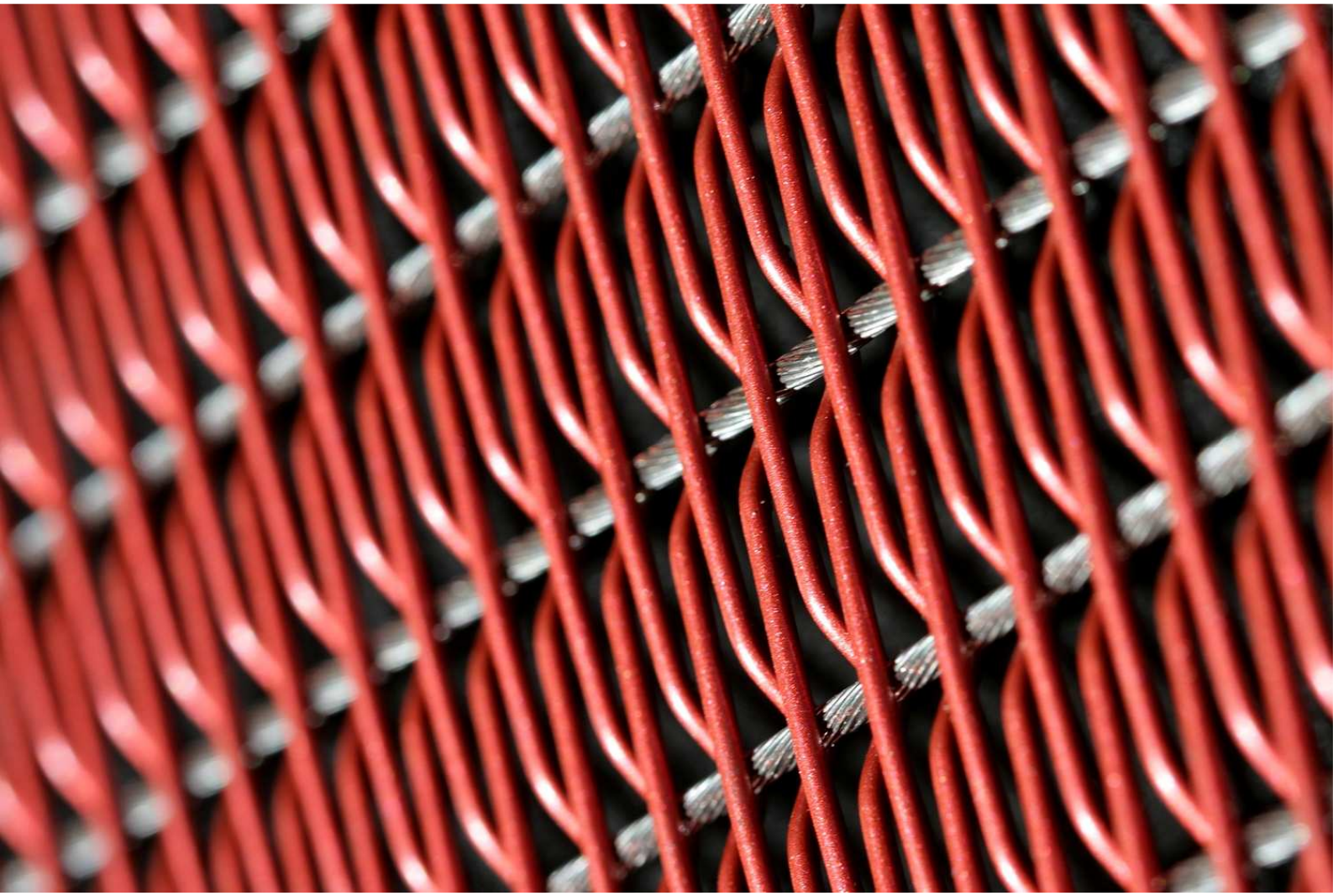
anodized mesh
( continous wire anodizing )

printed mesh

aluminium mesh
( dip procedure )

spray painted mesh

non-ferrous metal mesh



# **coated** mesh

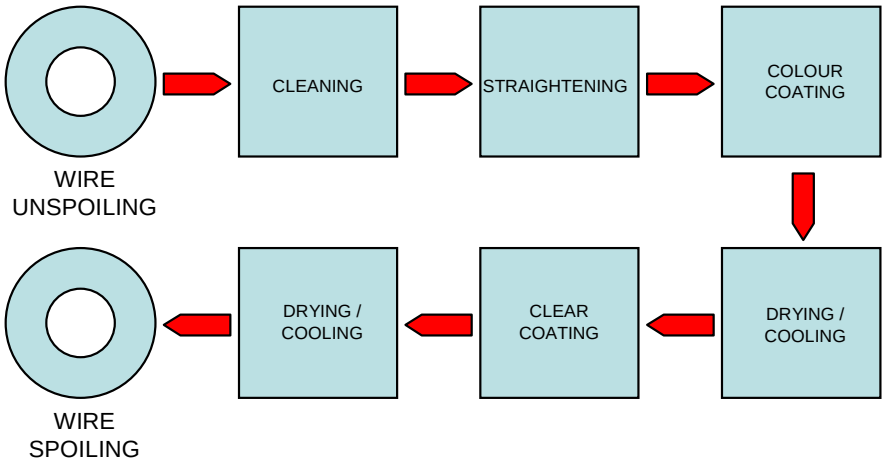
technique

prices

faq‘s

# technique

At the continuous coating the wires will be taken of the coil and pass a certain number of stations, where they will be cleaned,straightened, coated with the coloured lacqer, dried and cooled, clear coated and dried and cooled again. The coating will be created all around the wire.




# mesh types

Kiwi, Omega, Lamelle, Baltic, Lago, Sambesi, Ocean, Tigris, Escale 7x1 Escale 5x1, Escale 2,8x1, PC-Omega 1520, PC-Tigris, PC-Futura 1310

# dimensions

all weavable dimensions

# prices

to be calculated individually depending on quantity, mesh type and colour chosen

# faq‘s

**Which materials can be coated ?**

Aluminium and Stainless steel aisi 316L. Lower grade stainless steel for internal applications only.

**What is the minimum order quantity ?**

approx. 100 m²

**Which mesh types can be coated ?**

At the listed PC meshes only the straight wires can be coated. Escale can be coated, but the connecting rods have to remain uncoated.

**Which colours can be choosen ?**

Any colours from the RAL and NCS range. Other colours are also possible, but the definition process is time-consuming. Pls. note that colours look different on sheet material or colour swatches than on mesh.


**What are the lead times ?**

To be verified individually.

**What applications are possible ?**

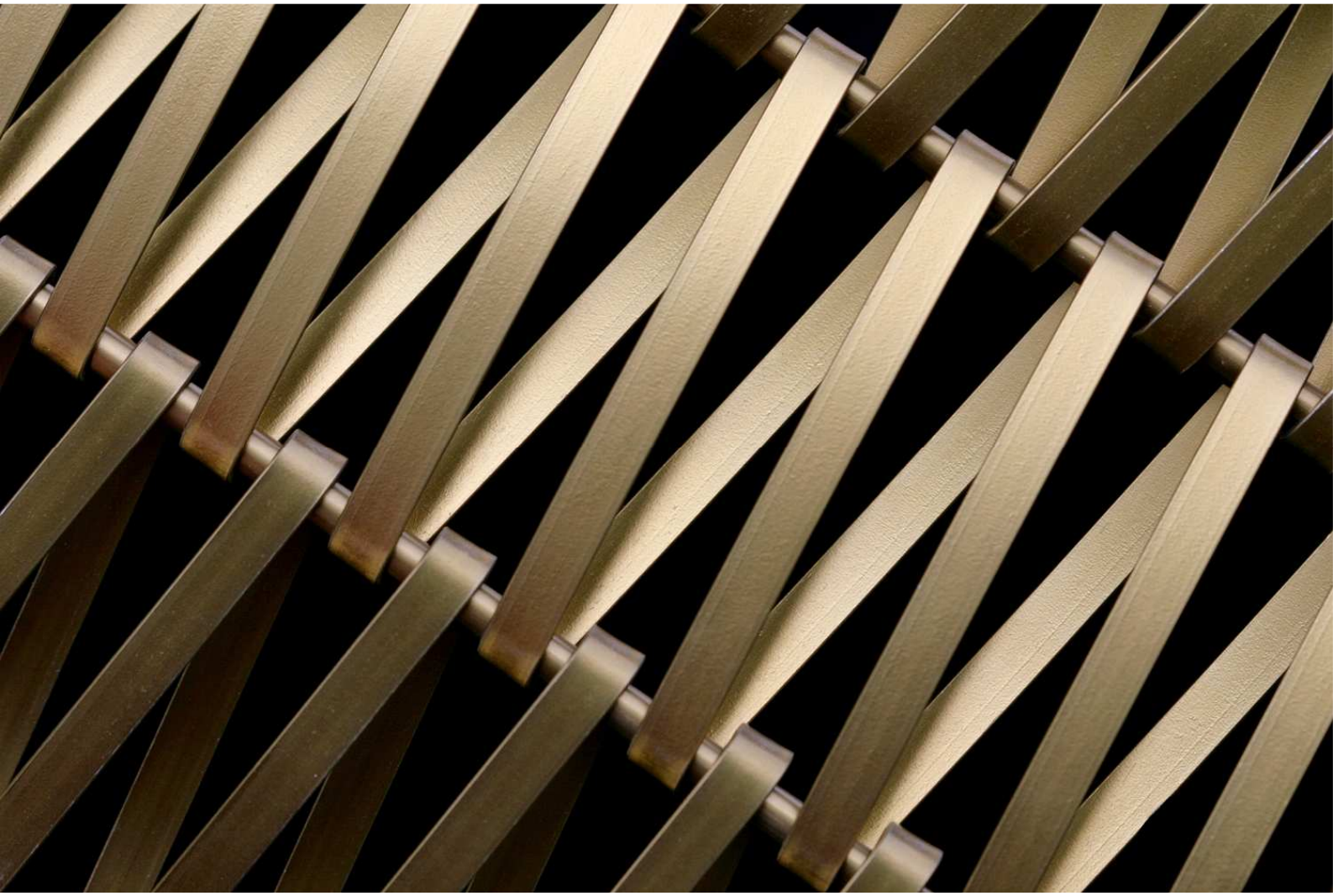
Both, outside and inside. For outside applications an additional clear coating is applied.

**What guarantees can be granted ?**

7 to 10 years for outside applications in moderate climate.

**Are test reports available ?**

See the test reports attached.



# **anodized** mesh

( continous wire anodizing )

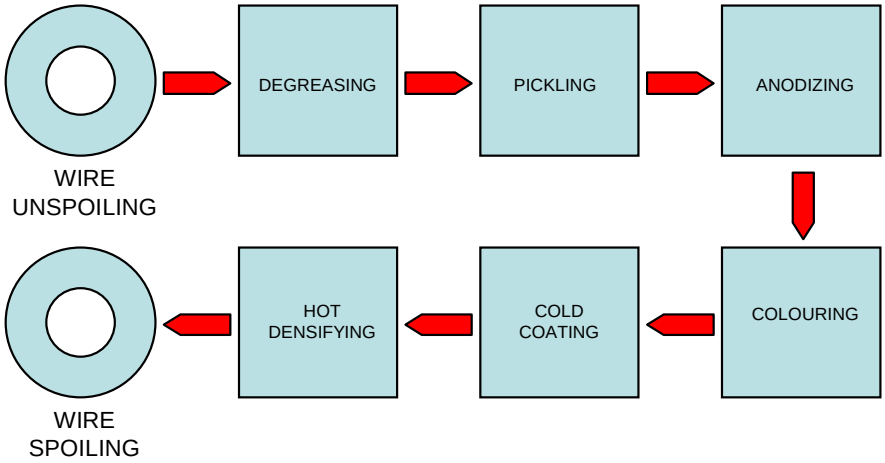
technique

prices

faq‘s

# technique

At the continuous anodizing the aluminium wires will be taken of the coil and pass a certain number of stations, where they will be degreased, pickled ( mat or shiny ), anodized, coloured, cold coated and finally hot densified. The time at the single stations cannot be controlled like in the standard anodizing bath as the wires are continuously moving. The oxyd layer will be created with a sulfuric acid electrolyte under the use of alternating current. The coating will be created all around the wire where its thickness is between 5 and 15 µm.




# mesh types

Lamelle, Omega, Baltic, Lago, Sambesi, Tigris, Ocean, Futura, Escale 7x1, Escale 5x1, Escale 2,8x1, PC-Omega 1520, PC-Tigris, PC-Futura 3110.

Only the weft wire ( straight wires at the PC – meshes ) will be anodized.
Escale meshes will be anodized completly.

# dimensions

All weavable dimensions

# prices

To be calculated individuallydepending on quantity, mesh type and colour chosen

# faq‘s

**What is the minimum order quantity ?**

To be verified individually, minimum quantity will be 100 m².

**Which colours can be choosen ?**

Gold and grey, other colours on request.

**Can a regular colour be guaranteed ?**

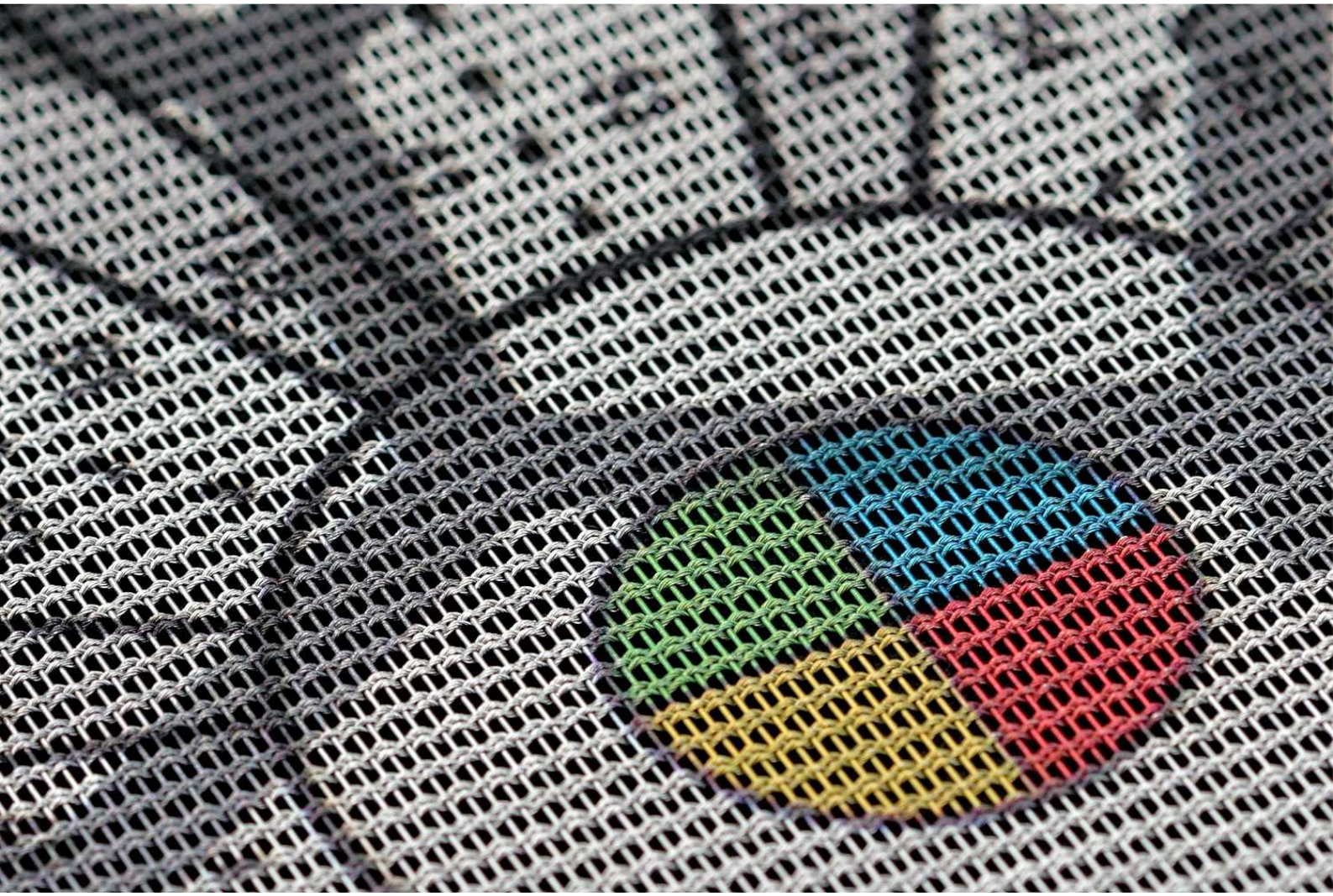
No, there will be colour tolerances due to the production process.

**What guarantees can be granted ?**

For interior applications : 2 years.

**Is this mesh suitable for outside applications ?**

For facades and other outside applications a minimum anodizing thickness of 15 µm are necessary. As the maximum thickness that can be achieved with the continous system is 15 µm it is suitable for outside applications.



# **printed** mesh

technique

prices

faq‘s

# technique

Prints on the mesh are made by using the ultra violet printing technique. Comparing with normal ink jet printing this technique allows printing on different materials as the ink is not sinking into the material but laying on the surface where it will be dried and hardened with ultra violet light.

Typical large format UV printer

# mesh types

The most suitable mesh types are flat and dense meshes like Lamelle, Lago, Kiwi or Alutherm.

# dimensions

max. 2,50 m wide x approx. 20 m long

# prices

| | |
|---|---|
| per side : | 62,00 EUR/m² |
| white primer per side : | 31,00 EUR/m² |

# faq‘s

**What kind of graphic or photo can be printed ?**

All kinds of pictures or graphics can be printed on the mesh, but the following conditions have to be considered :

| Software | up to version | vector | pixel |
|---|---|---|---|
| Adobe Indesign | CS3 | *.indd, *.pdf, *.eps | *.indd, *.pdf, *.eps |
| Adobe Illustrator | CS3 | *.ai, *.eps, *.pdf | *.ai, *.eps, *.pdf, *.jpeg, *.tiff |
| Adobe Photoshop | CS3 | - | *.psd, *.jpeg, *.tiff |
| Macromedia Freehand | MX | *.fh | *.fh, *.jpeg, *.tiff |
| Corel Draw | 11 | *.crd, *.eps, *.pdf | *.crd, *.eps, *.pdf, *.jpeg, *.tiff |

Pictures should be always saved and used in CMYK, greyscale, bitmap or bar mode. The resolution should be in scale 1:1 at 150 dpi for CMYK or greyscale. Colourspace can be CMYK, RGB or LAB.

**What colours are possible ?**

All colours can be printed in one process except white colour. White colour needs an extra printing process before starting the main printing, i.e. the mesh will be primed. If the white colour is not used, all „white“ areas will remain in stainless steel surface.

**Is a sealing after the printing necessary ?**

No, an additional sealing or laminating is not necessary. The ink is not drying normally, but will be hardened with UV light getting a satin finish.

**Can the printed mesh be used for exterior applications ?**

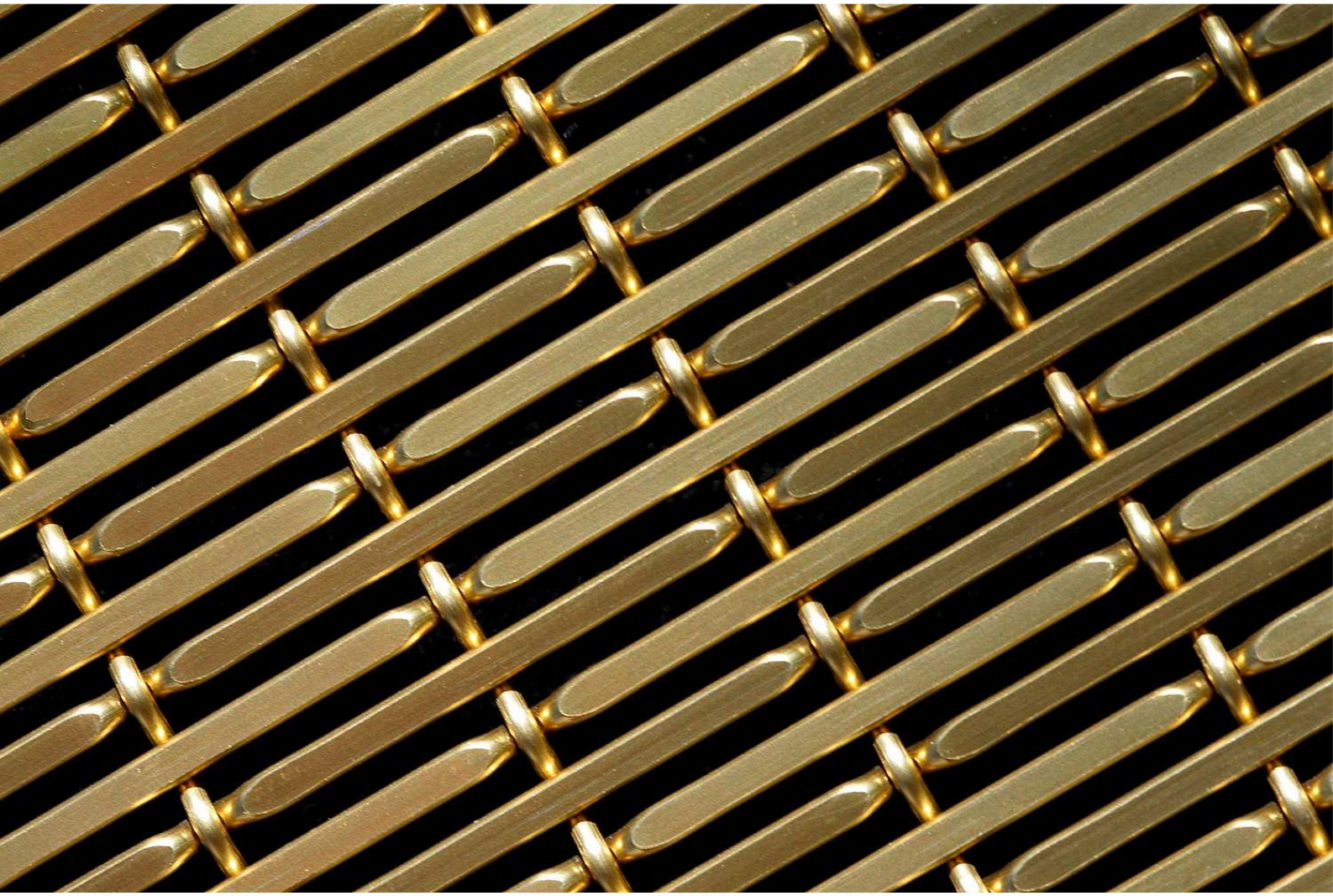
Theoretically yes, but the life span under sunlight is less. Therefore we recommend to use it for interior applications only.

**How long is the guarantee ?**

We are granting a guarantee of 2 years for colour consistency.

**What attachments can be used ?**

All kinds of suitable attachments can be used without any restriction.



# **aluminium** mesh

( dip procedure )

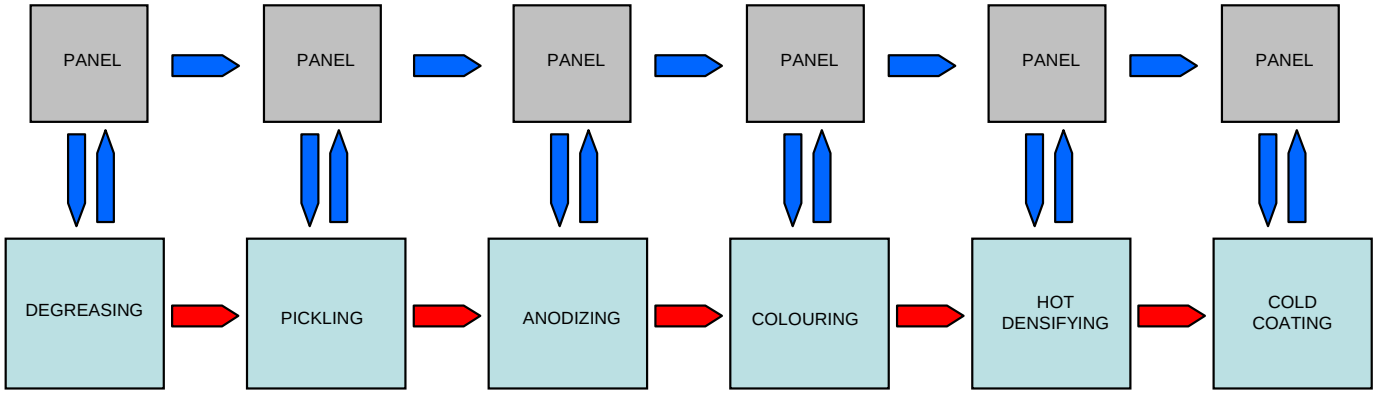
technique

prices

faq‘s

# technique

At the anodizing of aluminium panels with the dip procedure the panels will be dipped for a certain time into various immersion baths, where they will be degreased, pickled ( mat or shiny ), anodized, coloured, cold coated and finally hot densified. The time at the single stations can be controlled individually. The anodized layer will be created all around the panel where its thickness is approx. 15 µm.




# mesh types

Alutherm, PC–meshes and rigid meshes in aluminium

# dimensions

Alutherm, PC-meshes and rigid meshes : max. 7,00 m x 1,50 m,
Alu 6010 : 2,00 x 1,30 m as standard sheet size, other sizes on request, only in sheet form

# prices

Anodizing is included in the price of the Alutherm meshes,
for all PC-meshes and rigid meshes : 15,00 EUR/m²

# faq‘s

**Which colours can be achieved ?**

Silver, gold, bronze, brass, black

**What is the minimum order quantity ?**

Alu 6010, size 2,30 x 1,00 m, gold or silver : 1 sheet

Alu 6010, size 2,30 x 1,00 m, other colours : min. 25 m²

Alu 6010 in other dimensions, max. 7,00 x 1,50 m : min. 50 m²

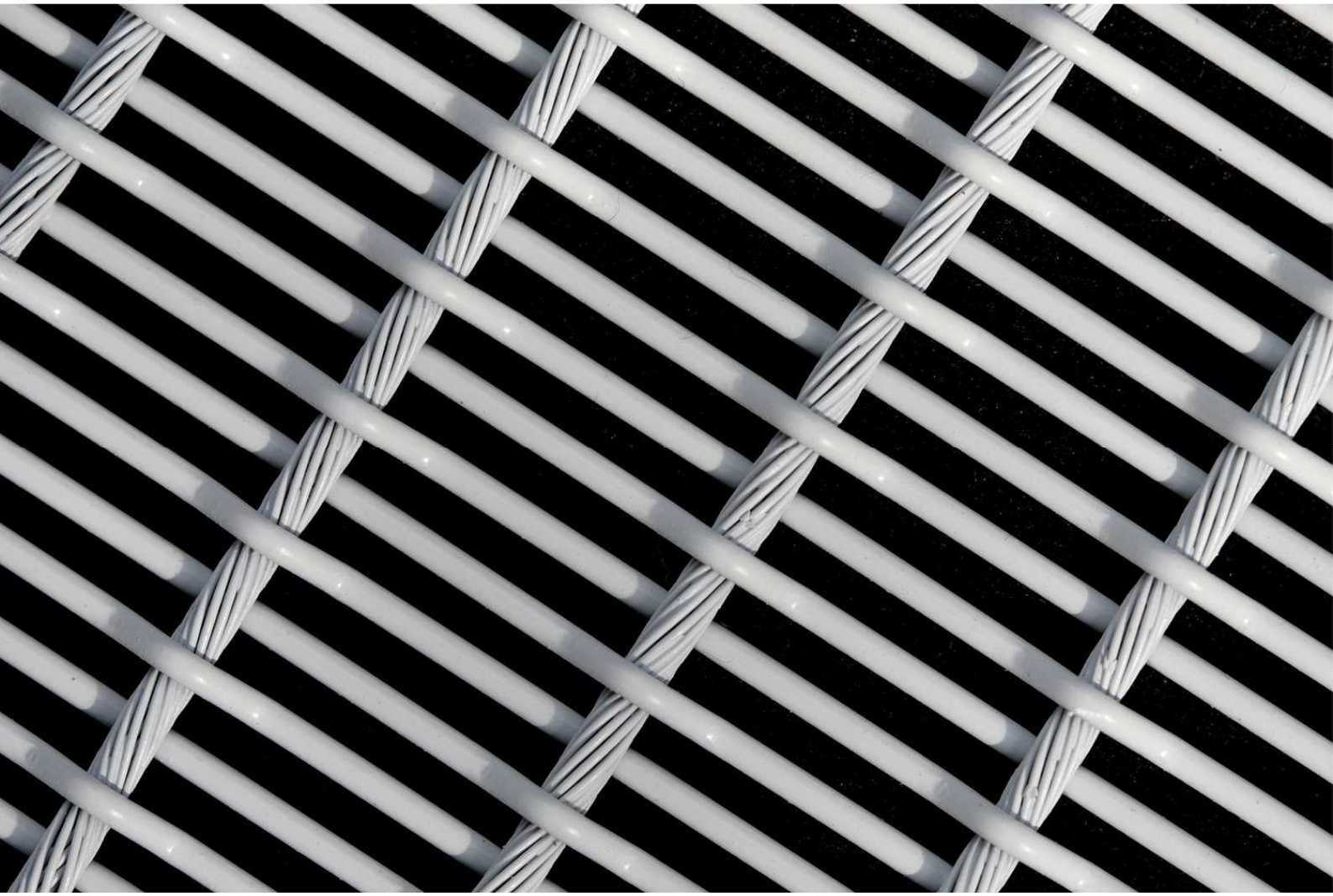
PC-meshes or rigid meshes in aluminium : min. 100 m²

**What applications are possible ?**

Both, outside and inside.

**What guarantees can be granted ?**

5 years for inside and outside applications under the condition of frequent cleaning intervalls.



# **spray painted** mesh

technique

prices

faq‘s

# technique

Finished woven panels will be spray-painted, either on one side or on front and back using high-grade motor-car lacquer.



# mesh types

All standard mesh types are possible, also PC meshes and aluminium meshes

# dimensions

´max. 7,50 m  x 2 ,00 m

# prices

30,00 EUR/m² per side

# faq‘s

**Which colours can be achieved ?**

All NCS colours are possible. Also colour samples from the customer can be analysed and duplicated. Due to a special coding it is possible to fabricate identical colours years afterwards.

**What is the minimum order quantity ?**

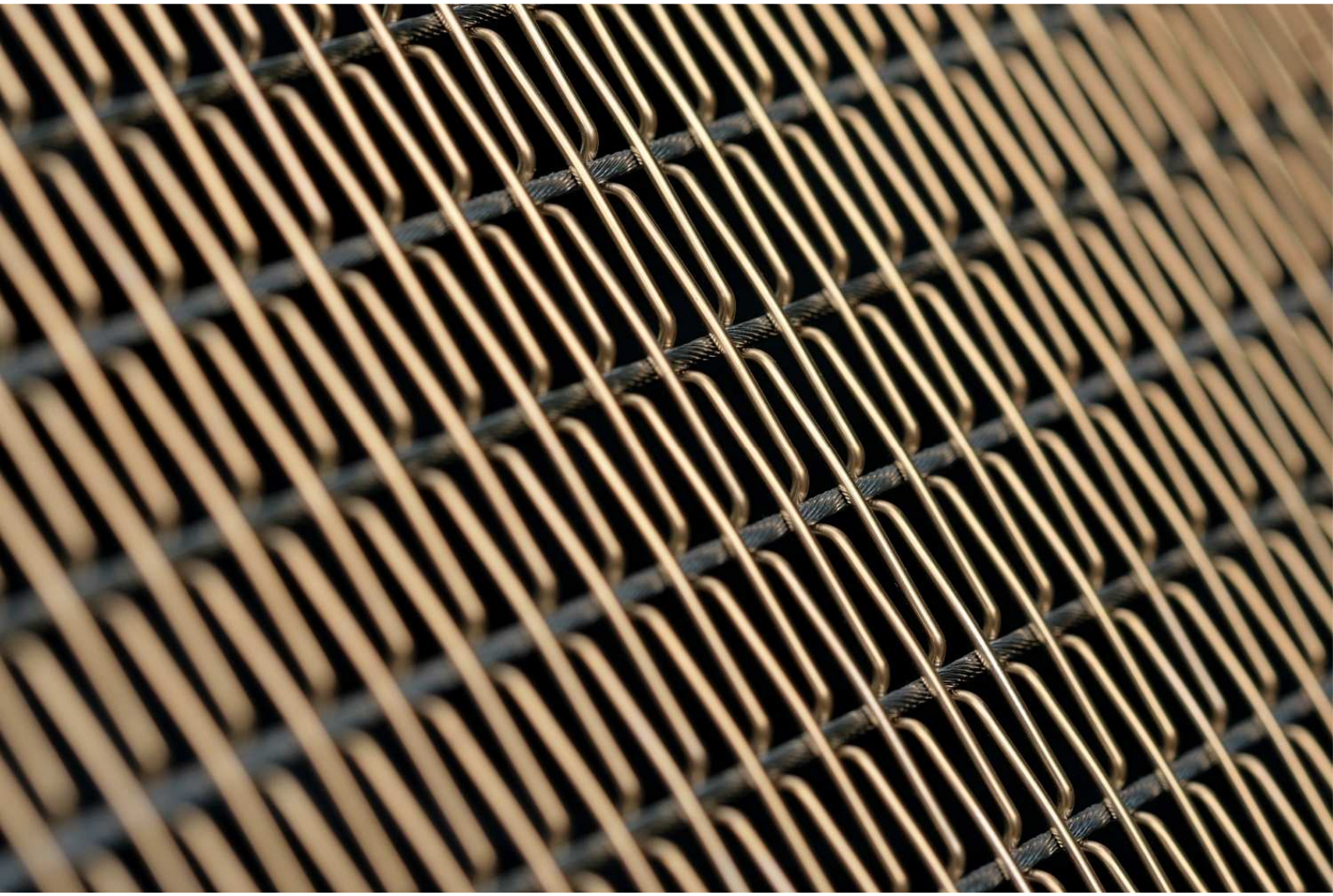
approx. 25 $m^2$

**What applications are possible ?**

Both, outside and inside. Pls. note that spray painted mehses are not suitable for being placed between glass panels ( Ocatec ) as gas emissions might cause fogging.

**What colour resistance can be granted ?**

The same resistance as for motorcar paints applies.



# **non-ferrous metal** mesh

technique

prices

faq‘s

# technique

Instead of using stainless steel wires and cables the weaving process will be made with bronze, brass or copper material.

**Copper** is a chemical element with the symbol **Cu** and atomic number 29. It is a ductile metal with very high thermal and electrical conductivity. Pure copper is rather soft and malleable and a freshly-exposed surface has a pinkish or peachy color. It is used as a thermal conductor, an electrical conductor, a building material, and a constituent of various metal alloys.

native copper, size = approx. 4 cm

**Bronze** is a metal alloy consisting primarily of copper, usually with tin as the main additive.

**Brass** is any alloy of copper and zinc; the proportions of zinc and copper can be varied to create a range of brasses with varying proprties.

# mesh types

Most of the standard meshes. Also the combination with stainless steel material is possible.

# dimensions

all weavable dimensions

# prices

to be calculated individually depending on quantity, mesh type and material chosen
Mandarin as a standard bronze wire mesh as per price list

# faq‘s

**Will non-ferrous metal meshes remain their metallic shimmer ?**

No, All non-ferrous meshes change colour within time and loose its metallic shimmer. This is the natural oxidation prozess of the metal. Rapidity and intensity of this process depends on the air humidity. Perspiration by touching the mesh also accelerates the oxidation process.

Generally the oxidation prozess does not spread out smoothly. It may happen, that some parts of the mesh are heavily oxidated and others not.
It is not possible to remove or clean oxidation.

We strictly recommend to follow the „GKD Handling instructions“.

Natural oxidation of non-ferous materials, colour changing and colour differences are not part of GKD’s responsibility !

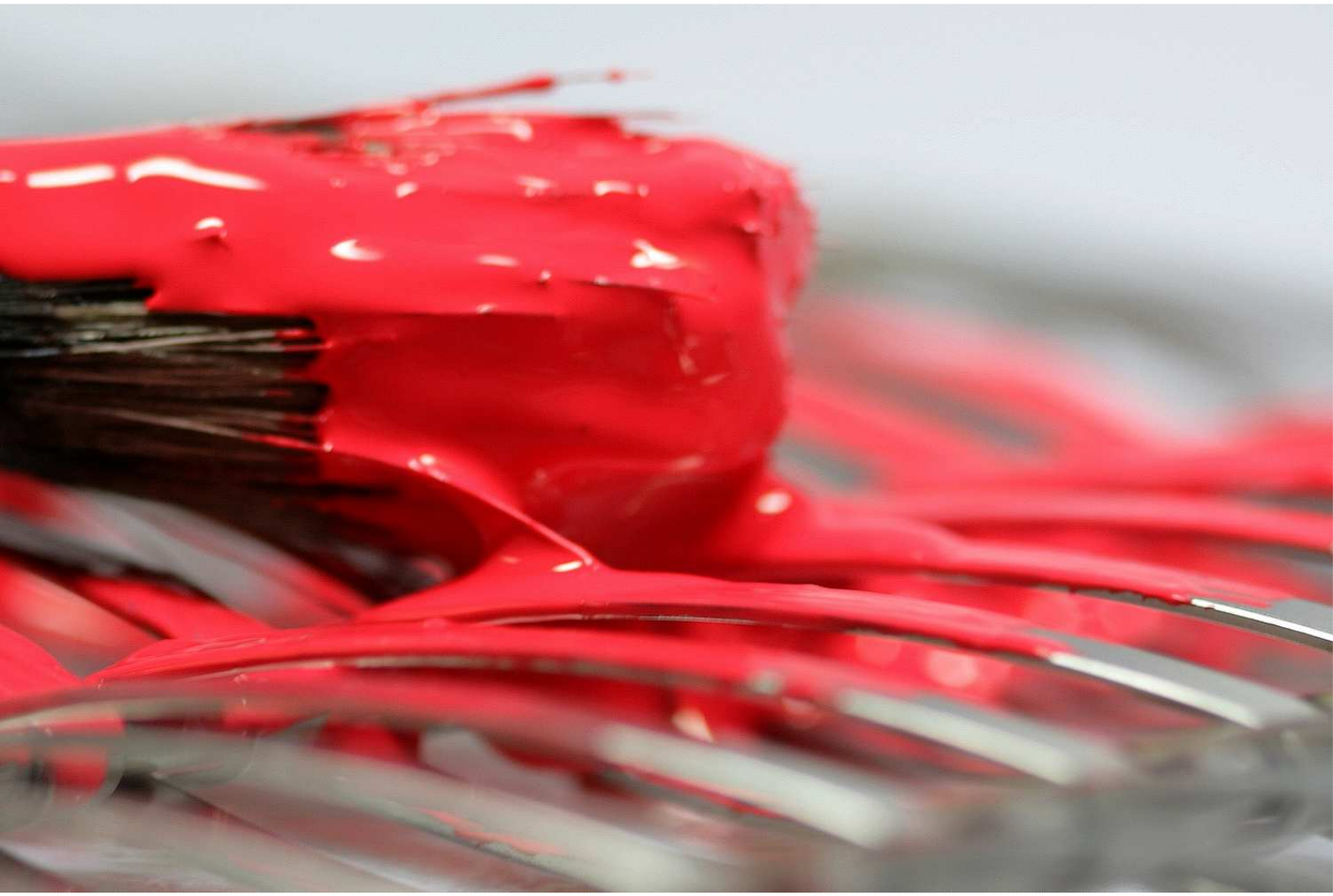
**What is the minimum order quantity ?**

Except Mandarin as a standard mesh approx. 100 m²

**What applications are possible ?**

Both, outside and inside. Non-ferous metals are generally weaker and less stabil than stainless steel. Therefore specially at outside applications the static behavior of the mesh must determined at the beginning. Also restrictions by authorities have to be considered, by example brass does not have a general building allowance in Germany , each project has to be permitted before the construction starts.

At inside applications the oxidation process can be stopped with a spray-painted transparent lacquer.



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