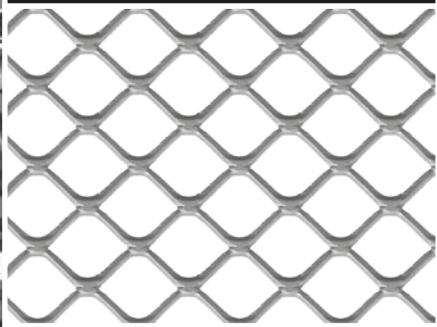


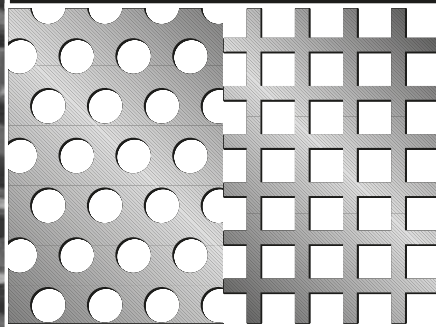
STREKKMETALL

Expanded metal International specialist

EXPANDED METAL



PERFORATED METAL



**LATEST PRODUCTS!
PERFORATED METAL**

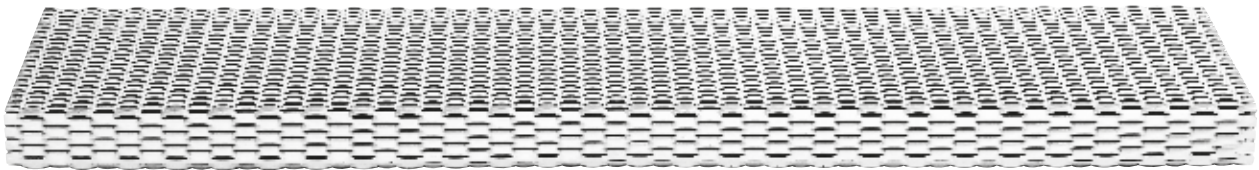
**NEW GRIGLIOFILS
STAIRS TREAD
ANTI SLIP - ANTI PANIC -
HEEL PROOF - ANTI ICING**

LATEST PRODUCTS!

STAIR TREADS AND LANDINGS

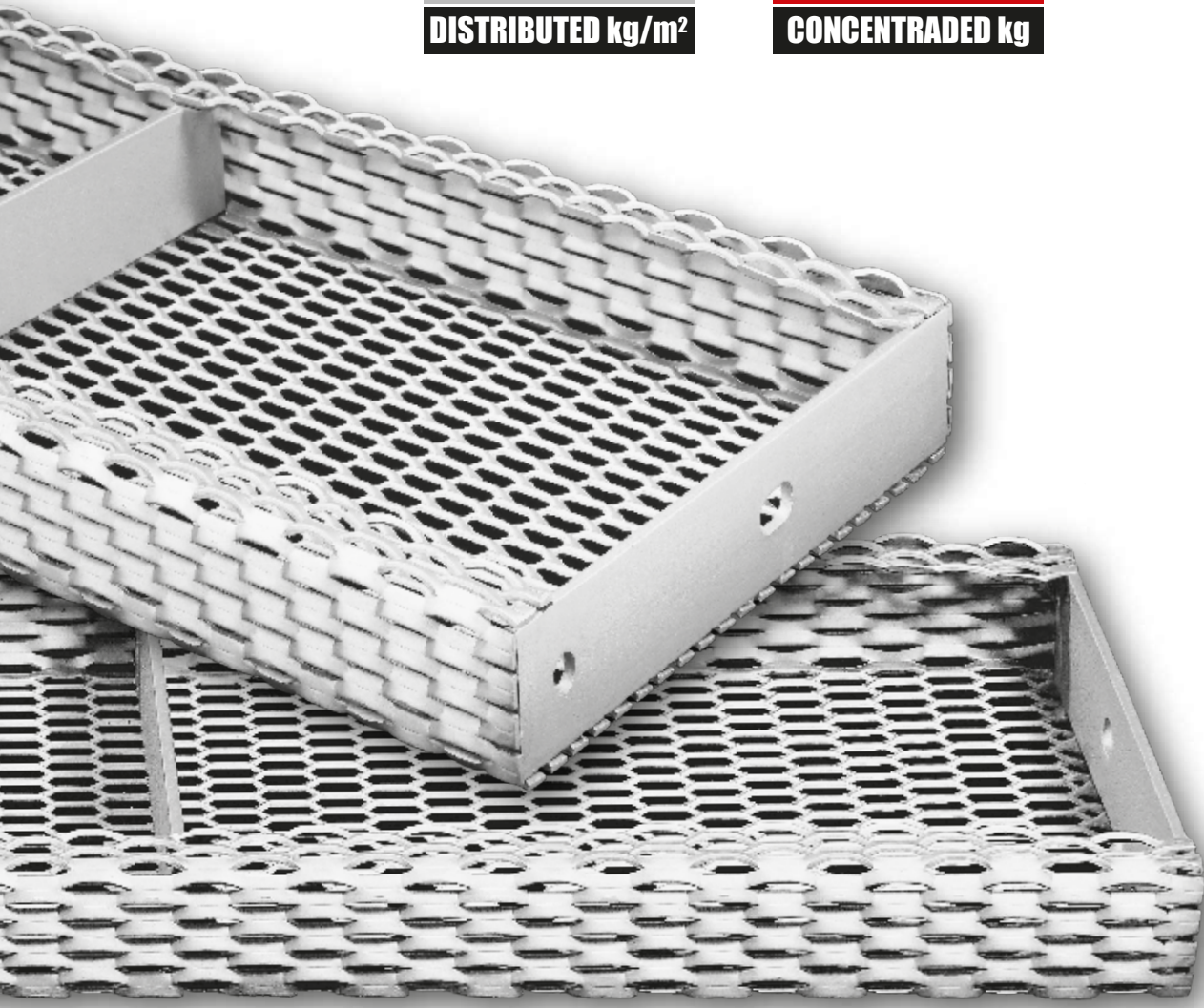
GRIGLIOFILS

**Compliant with Ministerial Decree dated 17/01/2018 -
NTC 2018* Reference legislation approved
by Decree of the Ministry of Infrastructure**



VERTICAL LOAD
510
DISTRIBUTED kg/m²

VERTICAL LOAD
510
CONCENTRADED kg



NON-SLIP ANTI-PANIC ANTI-HEEL

INDEX

**EXPANDED METAL
DIAMOND MESH**



2

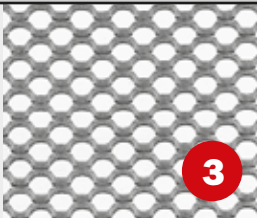
**PANEL FENCING
AMBASCIATA**



8


**EXPANDED METAL
ROUND MESH**

FLATTENED



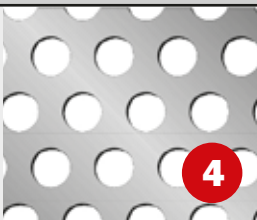
3

**TREAD PLATES
ALUMINIUM**



9


**PERFORATED METAL
ROUND HOLE**



4

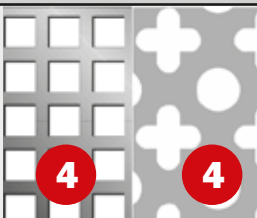
**GRIGLIOFILS
STAIR-TREADS**

**LATEST
PRODUCTS**



10

**PERFORATED METAL
SQUARE/FANTASY
HOLE**



4 **4**

**GRIGLIOFILS
LANDINGS**

**LATEST
PRODUCTS**



10

WIRE MESHES



5

**RALF
SOUNDPROOF
CEILING
CLADDING**




12

**EXPANDED METAL
GRATING RAISED
AND FLATTENED**




6

**FILTRATION
SOLUTIONS**



14

**EXPANDED METAL
STAINLESS STEEL
INOX AISI 304**



7

**LIGHTWEIGHT
STRUCTURAL
STEEL**

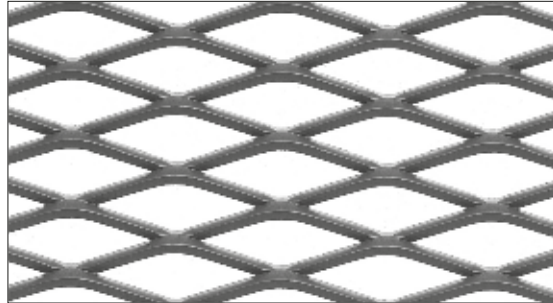


24

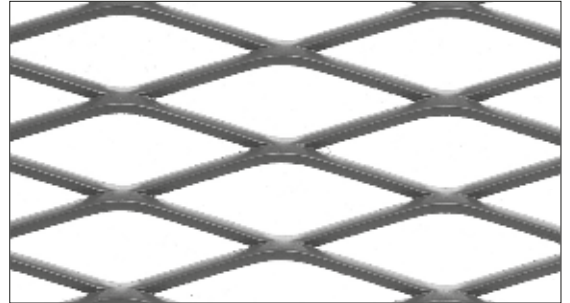


EXPANDED DIAMOND MESH

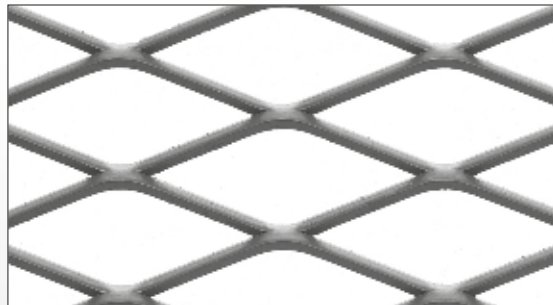
Actual
dimension of
meshes



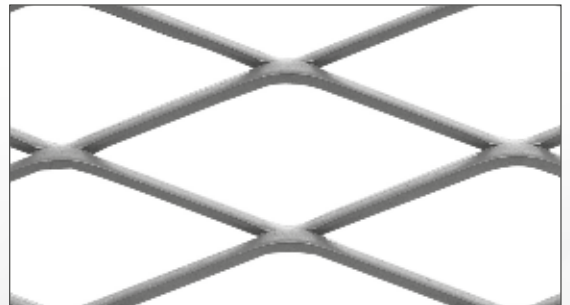
Type 25



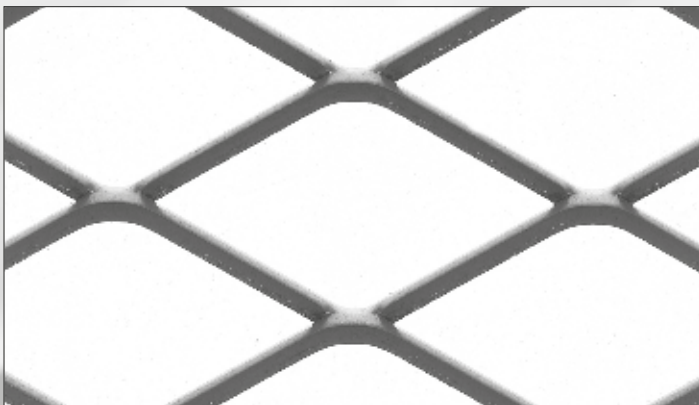
Types 2 - 17 - 28 - 43



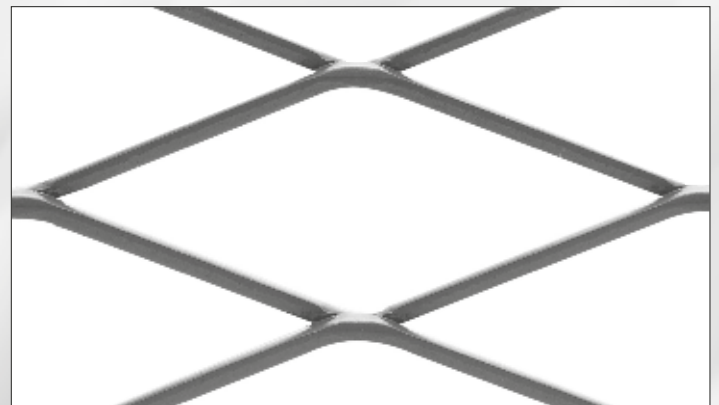
Type 27 - 41



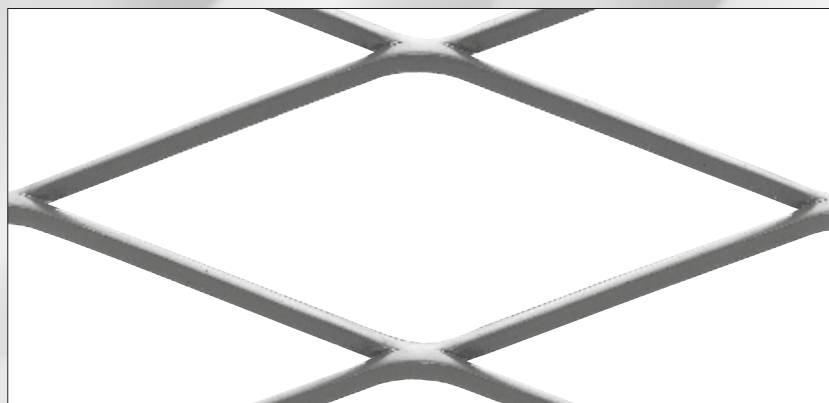
Types 3 - 4 - 220 - 19 - 22 - 40



Type 60



Type 33



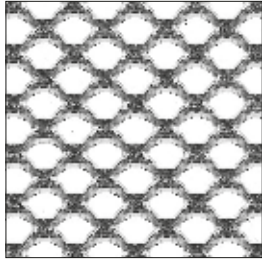
Types 24 - 21 - 24A



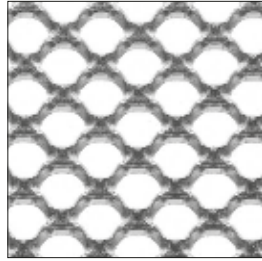
EXPANDED ROUND MESH

FLATTENED

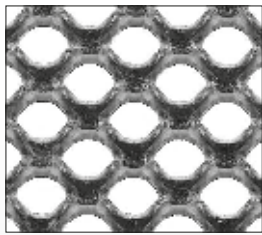
Actual
dimension of
meshes



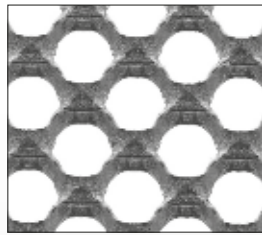
ST 8



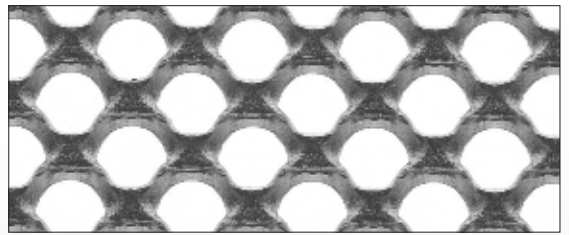
ST 10



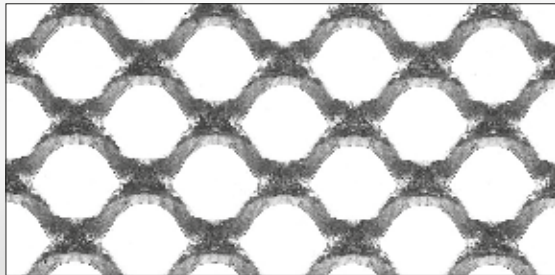
ST 12



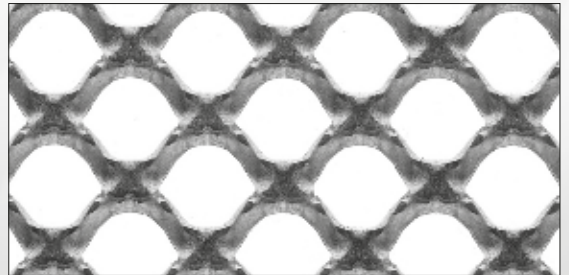
ST 14



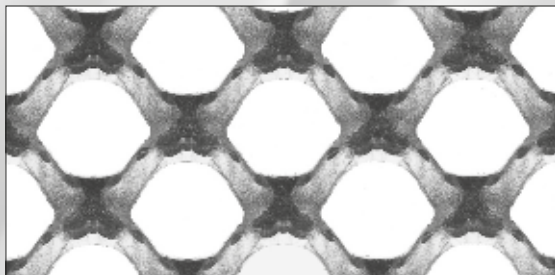
ST 16



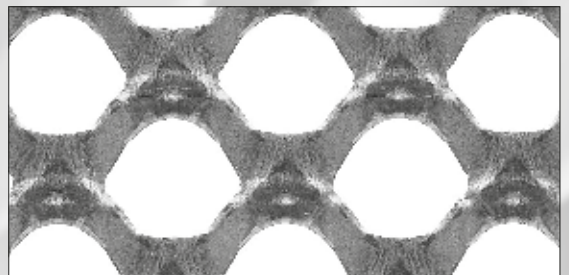
ST 18



ST 20



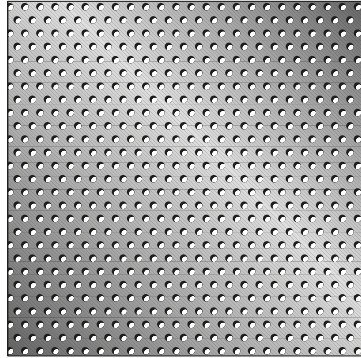
ST 25



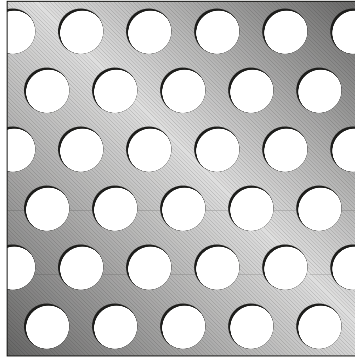
ST 30



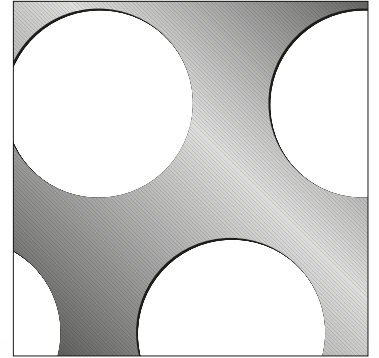
PERFORATED METAL



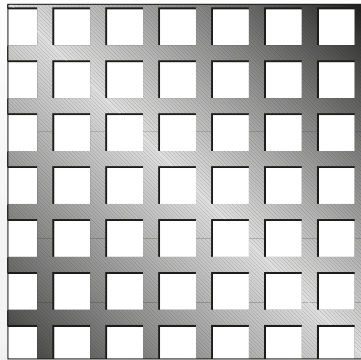
R 1



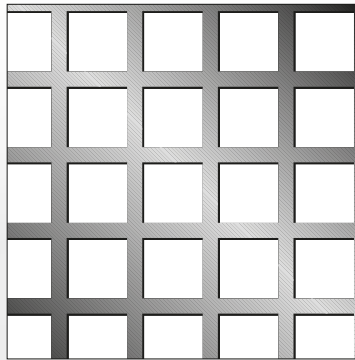
R 6



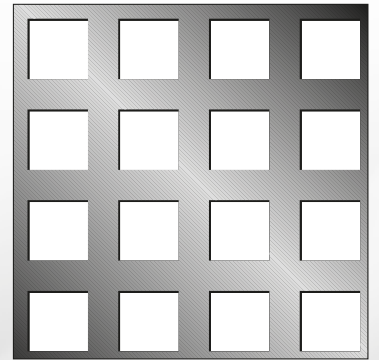
R 25



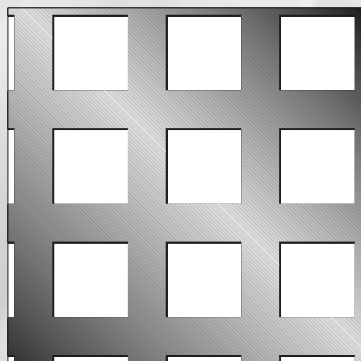
C5 - U7



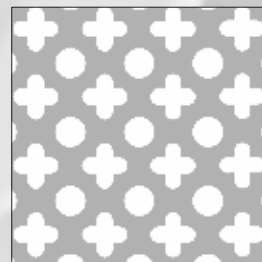
C8 - U10



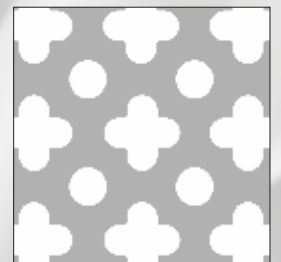
C8 - U12



C10 - U15



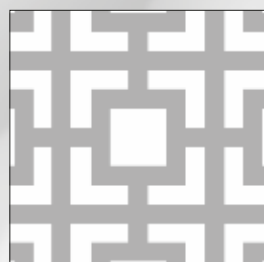
GF17 - P9 - sp. 1 mm



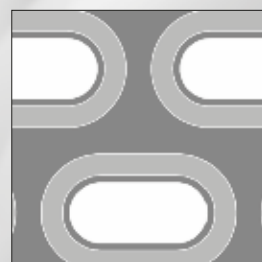
GF20 - P14 - sp. 1 mm



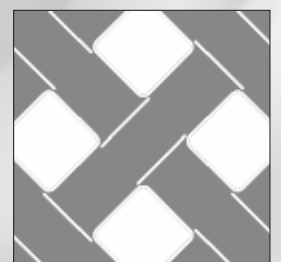
GF11 - P16 - sp. 1 mm



GF5 - P20 - sp. 1 mm



10x20
OBLONG HOLE

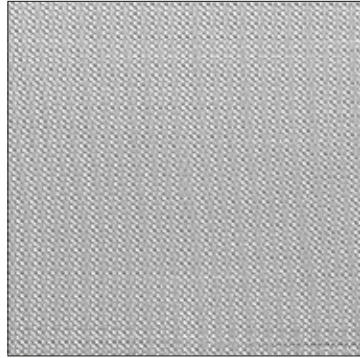


10x20
OBLONG HOLE

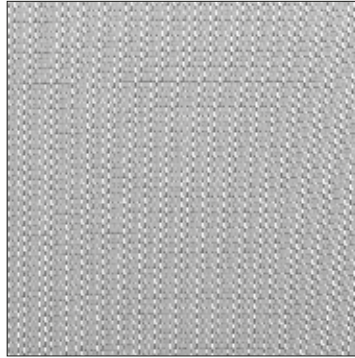


WIRE MESHES

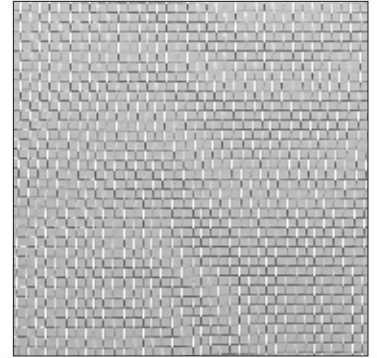
Actual
dimension of
meshes



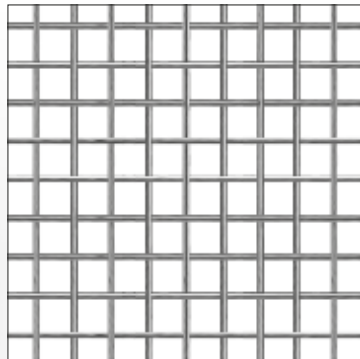
N. 50 Ø 0,20



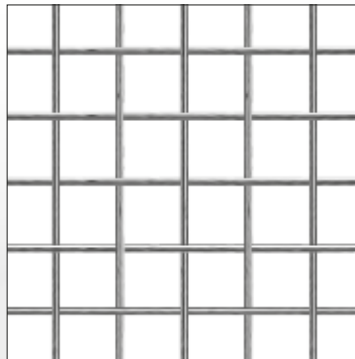
N. 30 Ø 0,20



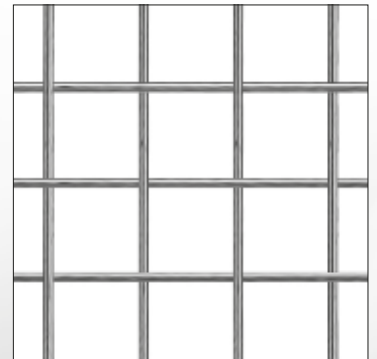
N. 18 Ø 0,25



N. 4,5 Ø 1



N. 3 Ø 1

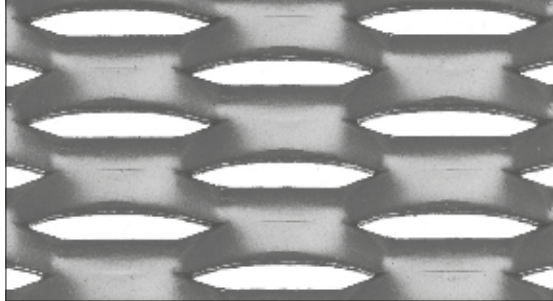


N. 2,5 Ø 1,5

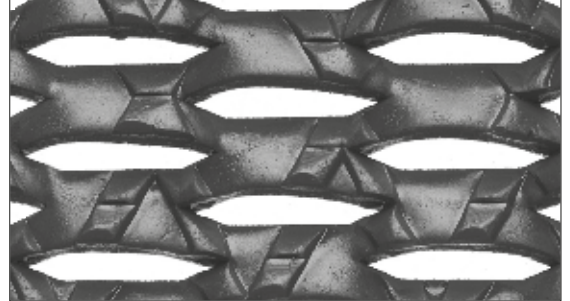


EXPANDED METAL GRATINGS RAISED AND FLATTENED

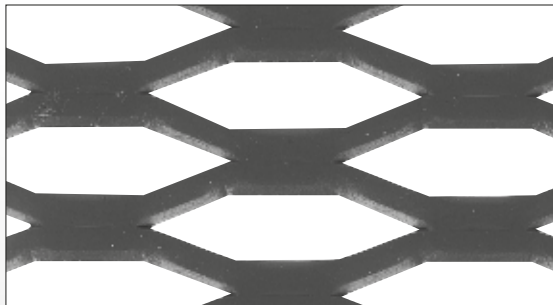
Actual
dimension of
meshes



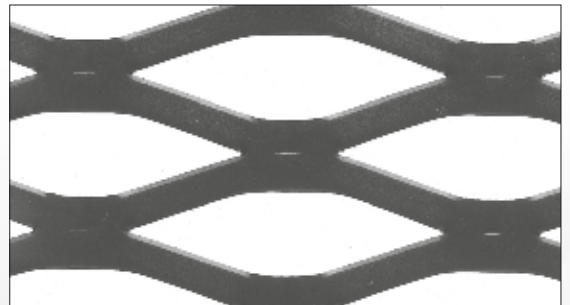
FILS 20-21-22



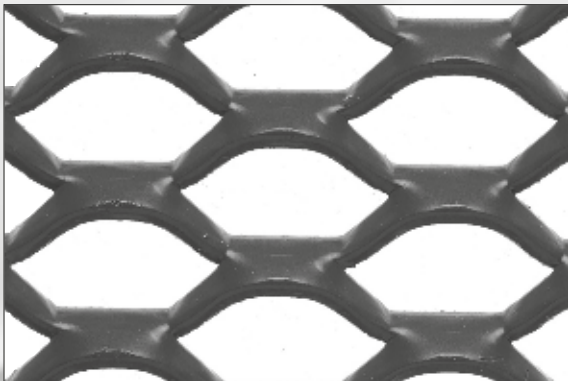
FILS 21S striata



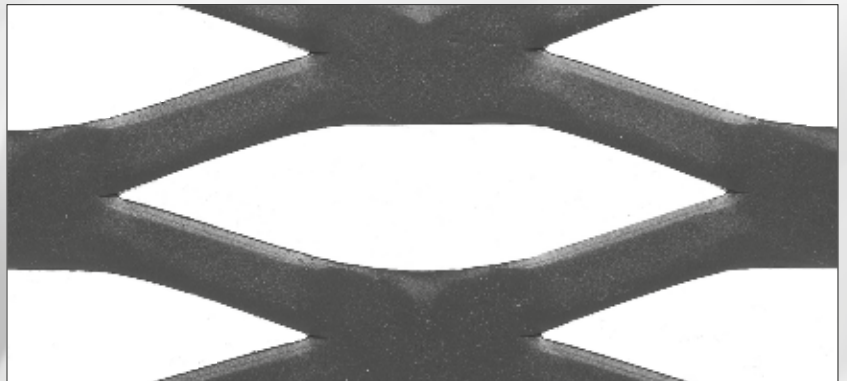
SC 3 spianata



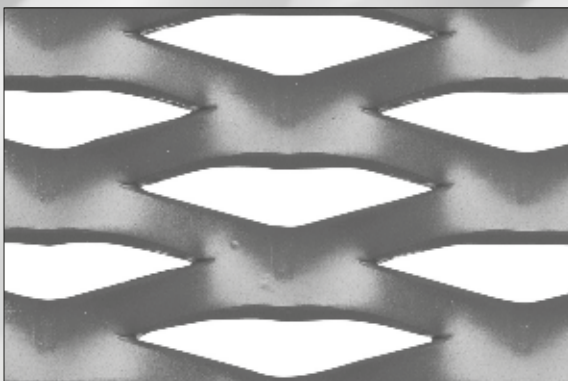
PS 01 - PS 02 spianate



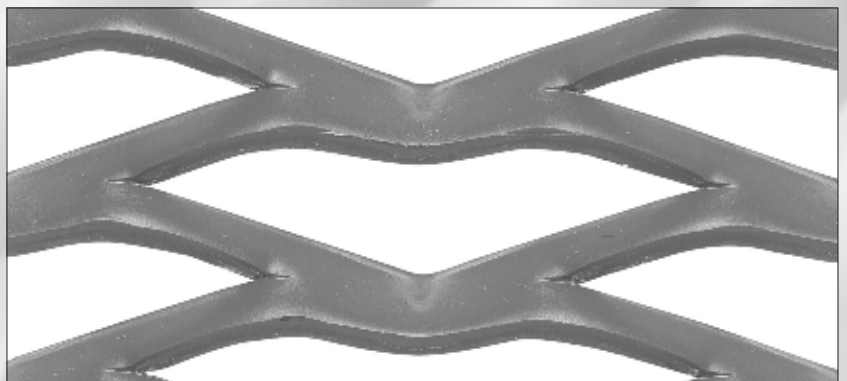
E 3 - E 4



SP 2 spianata



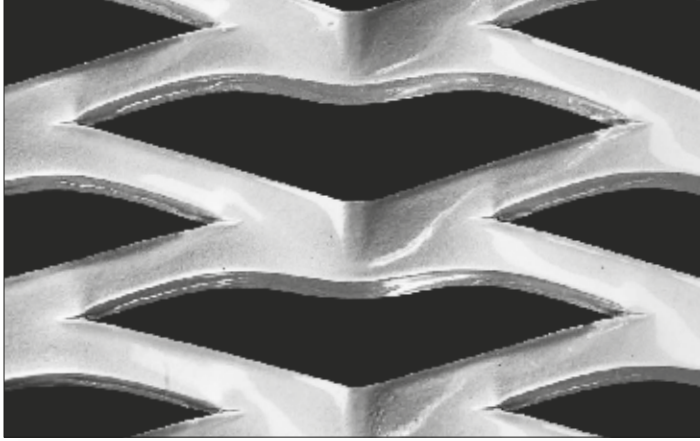
FILS 4 - 5



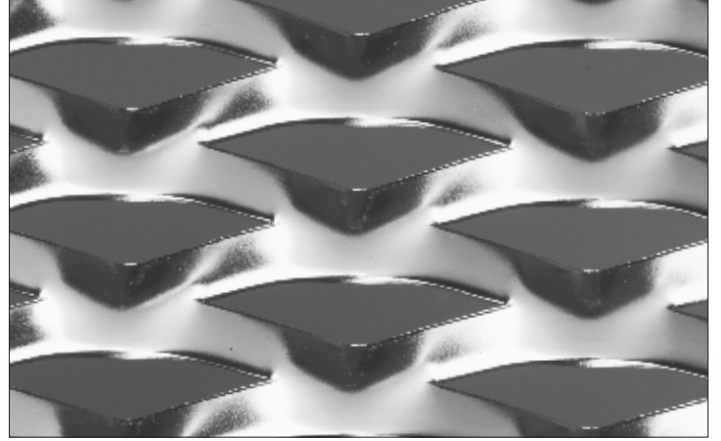
FILS 1 - 2 - 3



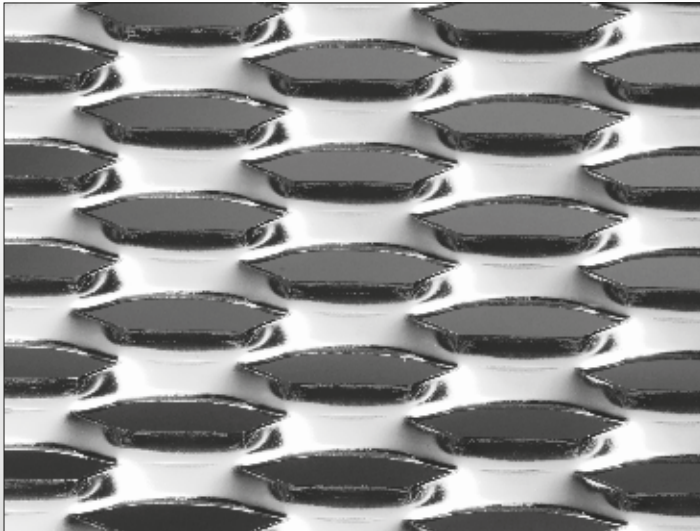
EXPANDED METAL STAINLESS STEEL INOX AISI 304



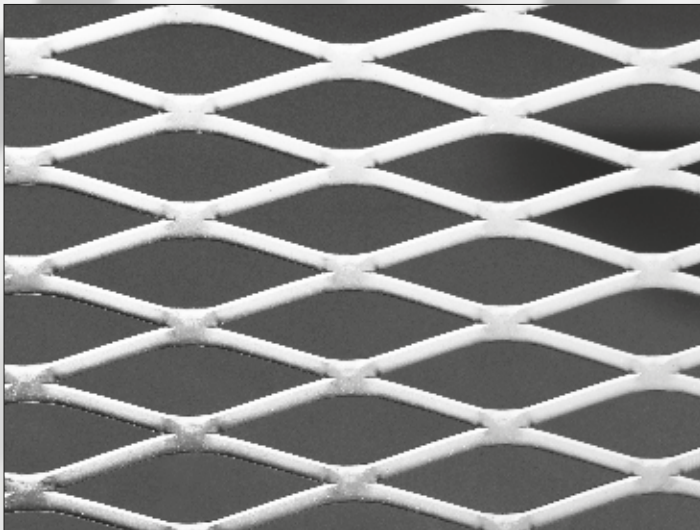
FILS 1



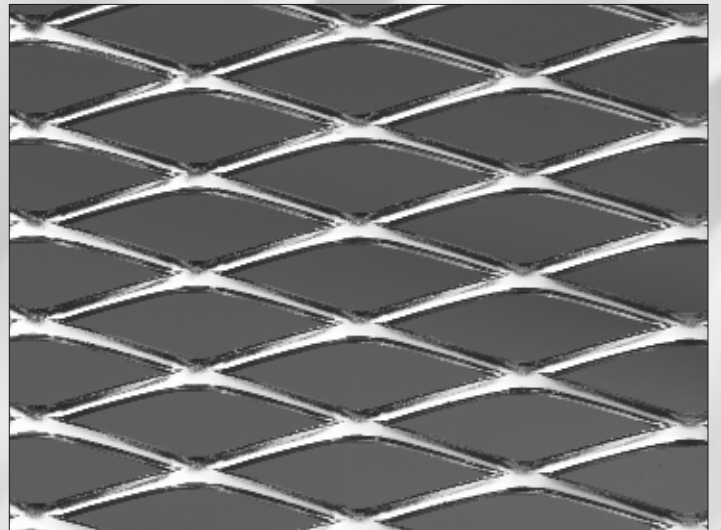
FILS 5



FILS 21



S 17 Flattened



N 17

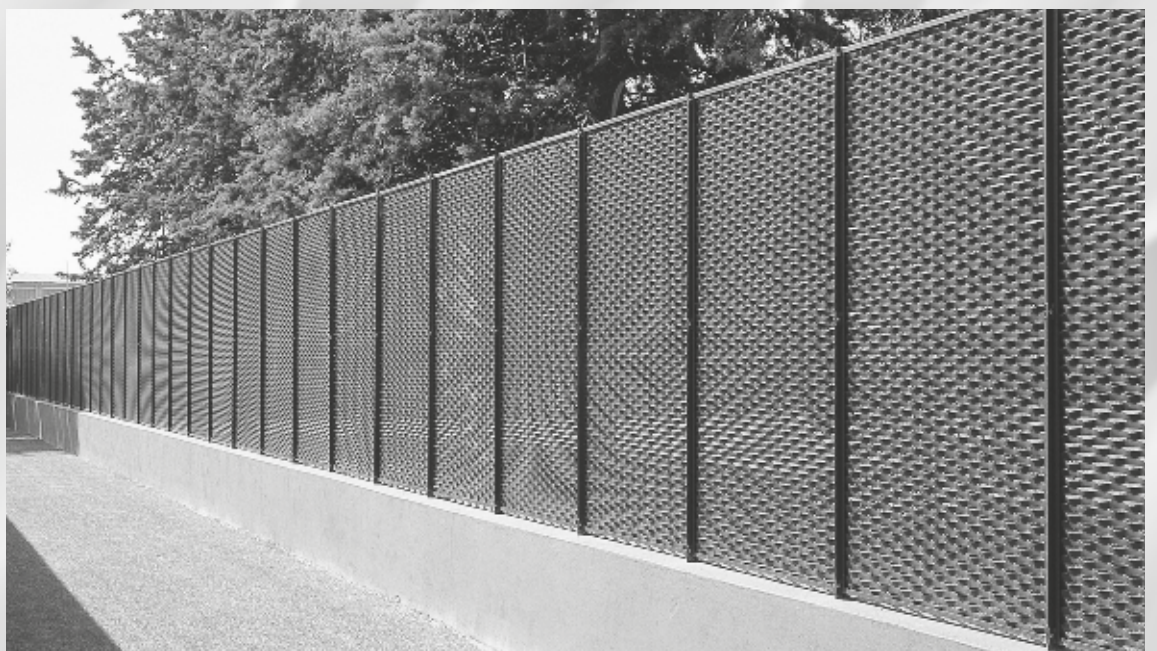
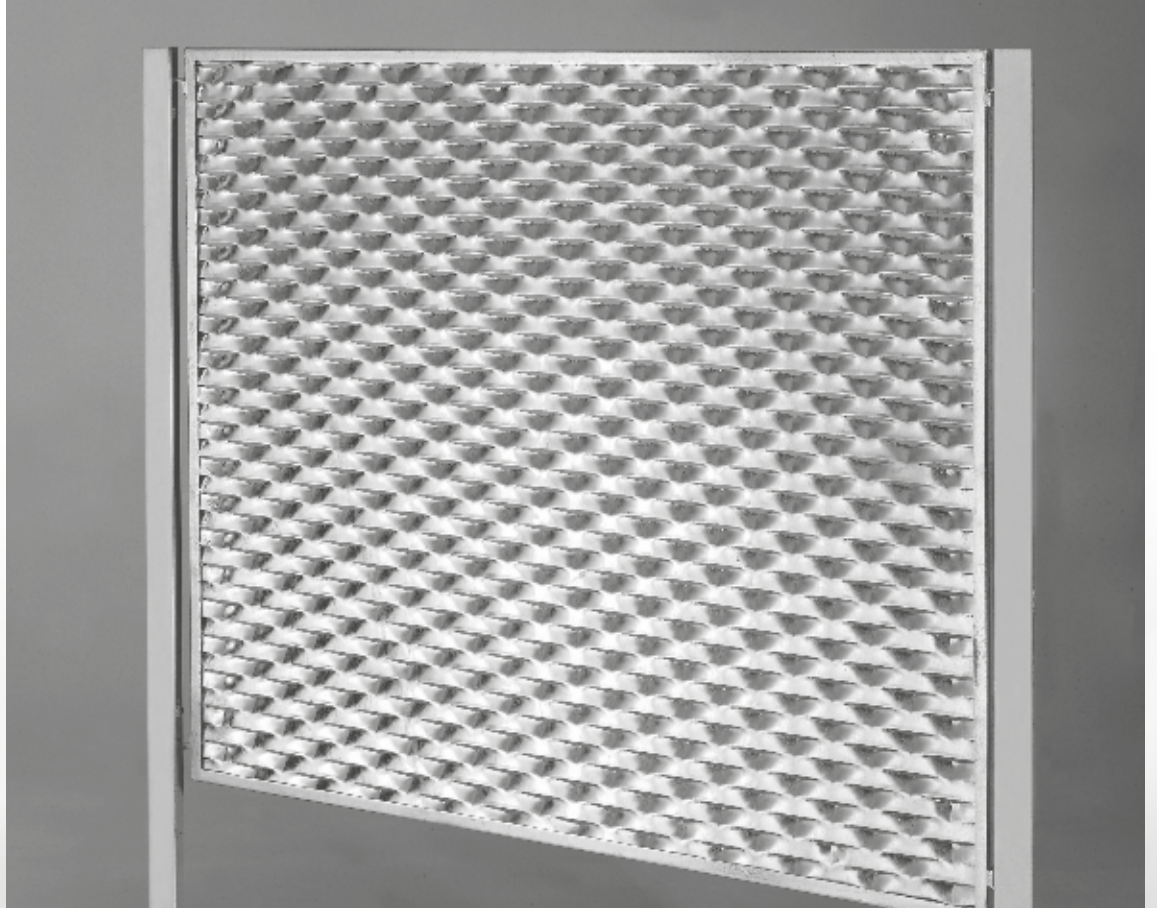


PANEL FENCING AMBASCIATA

Prestige and privacy.

An elegant,
prestigious and
extremely robust
fence.

The special type of
mesh produced
from expanded
sheet-metal
**protects your
privacy by almost
totally making it
impossible to see
through from the
outside, whilst
allowing good
through-vision from
the inside**





TREAD PLATES ALUMINIUM



**Tread plates
Aluminium
5 bar (quintet)
Temper 9005 H14**

Widht	Length mm
1000	2000
1250	2500
1500	3000

GRIGLIOFILS GRATINGS STAIR-TREADS AND LANDINGS

Maximum safety in
industrial and offshore settings

Maximum strength
and durability

1:1 scale



Filis 21 mesh

DL 45 x DC 15 (13,4)[▲] - av 5 x sp 3 mm

[▲] actual DC

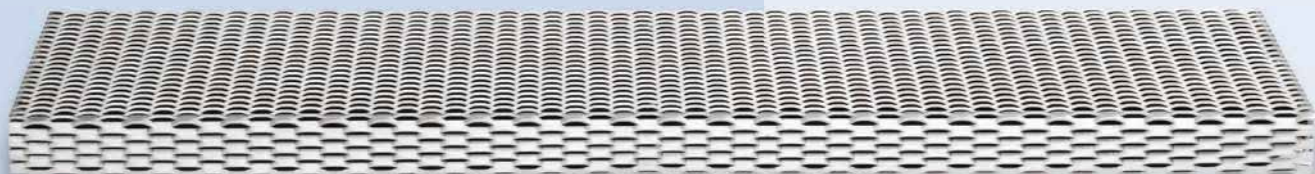
Load capacity certified by
the Politecnico di Milano

LOAD CAPACITY Kg/m ²
510
DISTRIBUTED

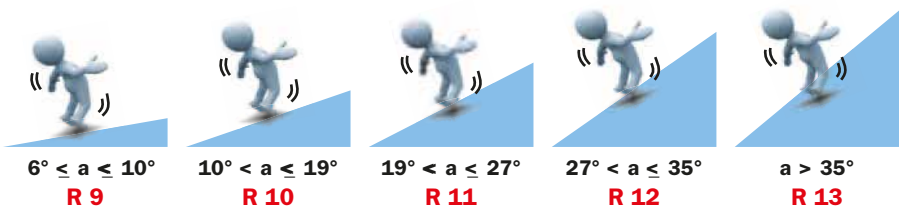
LOAD CAPACITY Kg
510
CONCENTRATED



**MAXIMUM ANTI-SLIP
COEFFICIENT R13 - DIN 51300**



The roughness of the grating guarantees the maximum anti-slip coefficient. (Test method: DIN 51300)





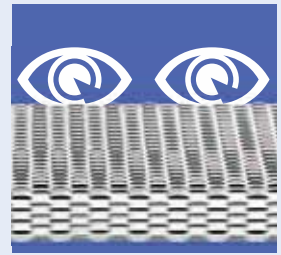
ANTI ICING



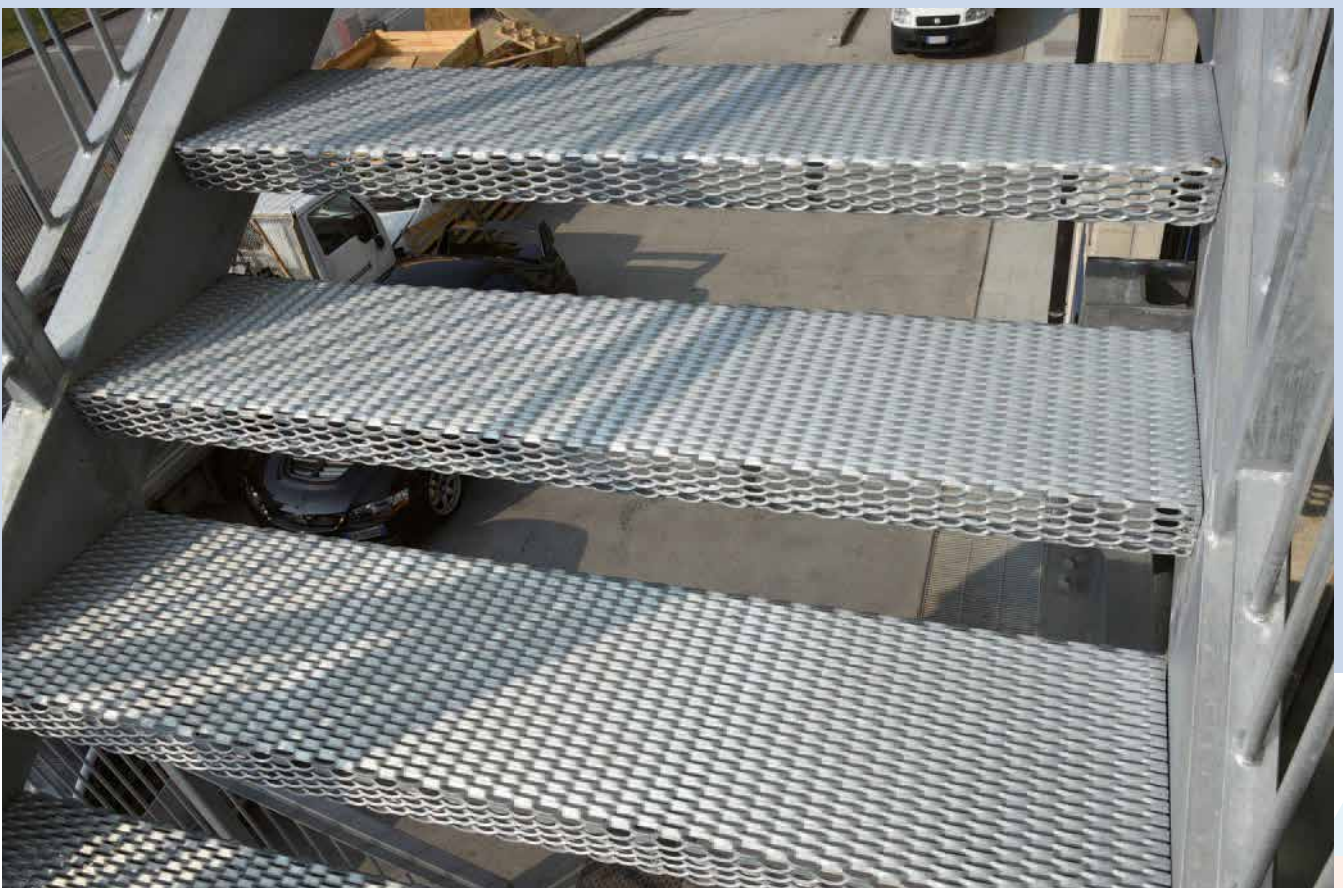
HEEL PROOF



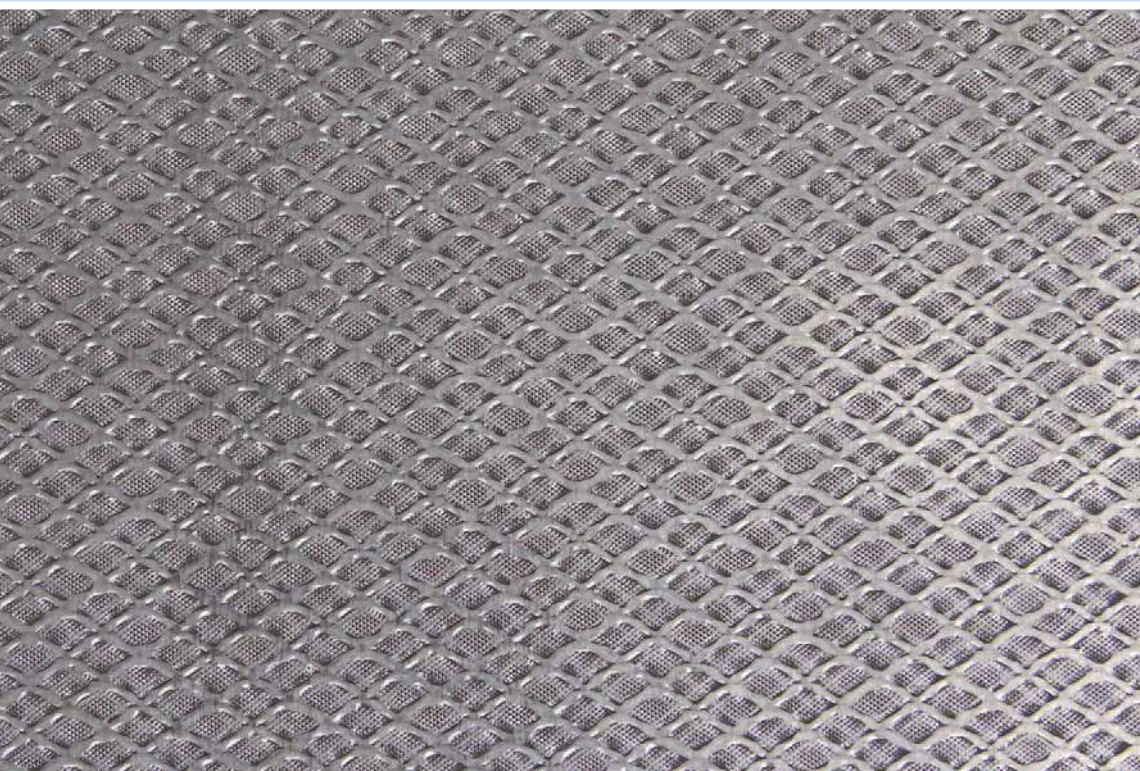
ANTI SLIP



ANTI PANIC



RALF SOUNDPROOF PANELS SUSPENDED CEILINGS AND CLADDING

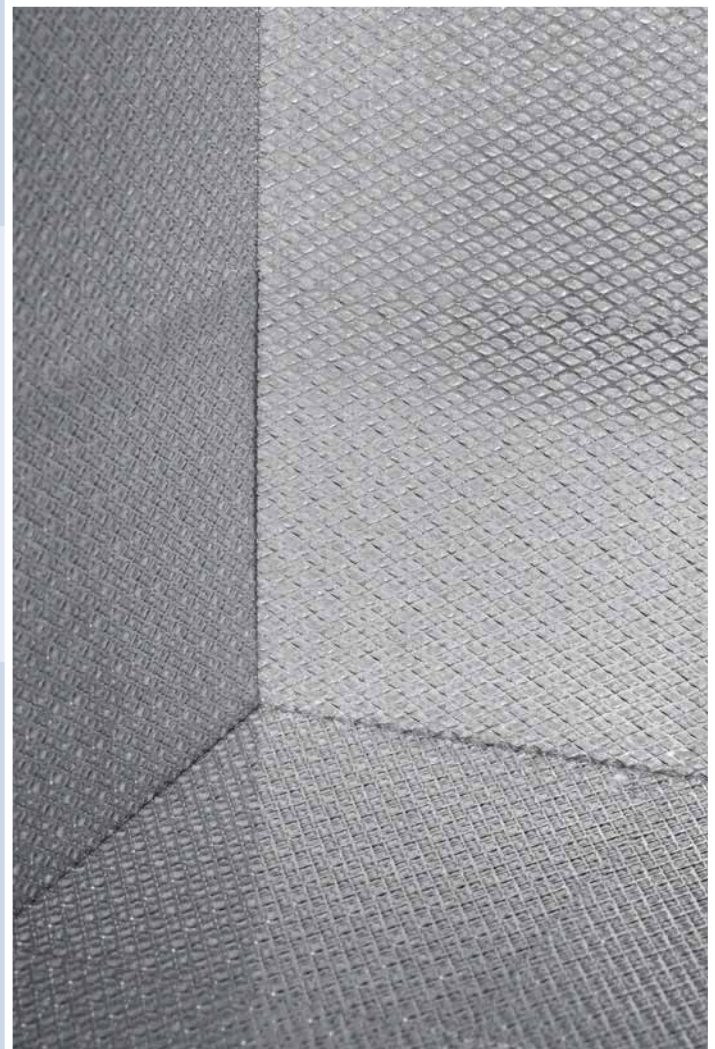


PANEL DIMENSIONS
H 990 x 3000 mm



SOUND ABSORPTION PROPERTIES OF RALF EXPANDED METAL

Sintef Building and Infrastructure has provided laboratory measurements of the sound absorption coefficient according to NS-ES-ISO 354 and NS-EN-ISO 11654 for the product RALF. The sound absorption properties of RALF expanded metal is considered well suited for many purposes.



Weighted sound absorption coefficients and ratings

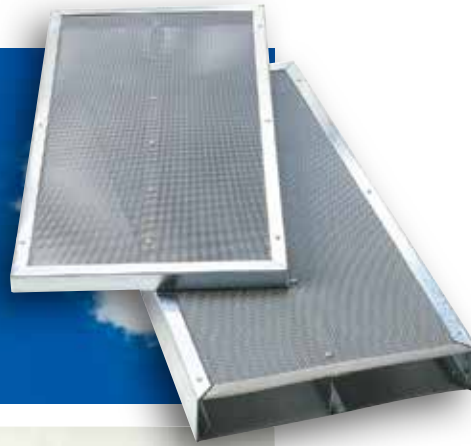
Specimen	Weighted sound absorption coeff., a_w	Rating
Rockwool ⁽¹⁾	0,95 (L)	Class A
Empty ⁽²⁾	0,65 (M)	Class C

(1) Frames with mineral wool

(2) Frames with empty space



AIR



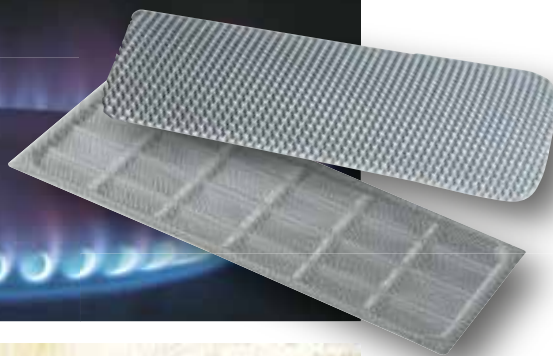
WATER



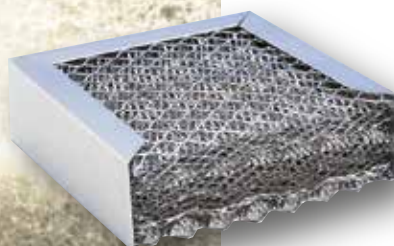
OIL



GAS



SAND

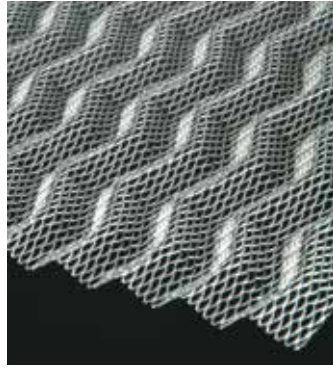


Italfim, an industrial concern at the service of industry.

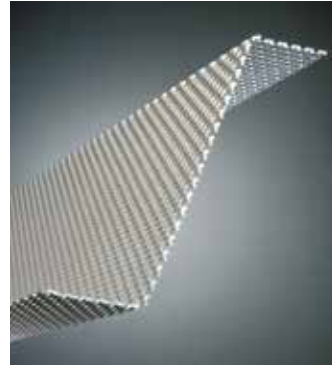
Thanks to its many years in the business and great professionalism, Italfim supplies **intelligent expanded mesh solutions and components** to optimise production processes in the mechanical engineering, electro-technical and general manufacturing industries



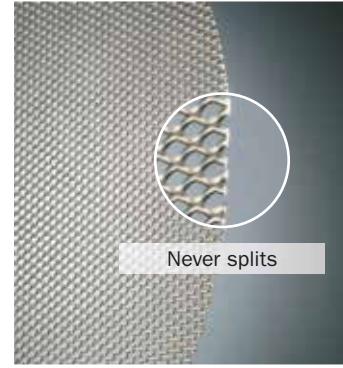
Pleating
Roulage/soudage



Fretting



Bending

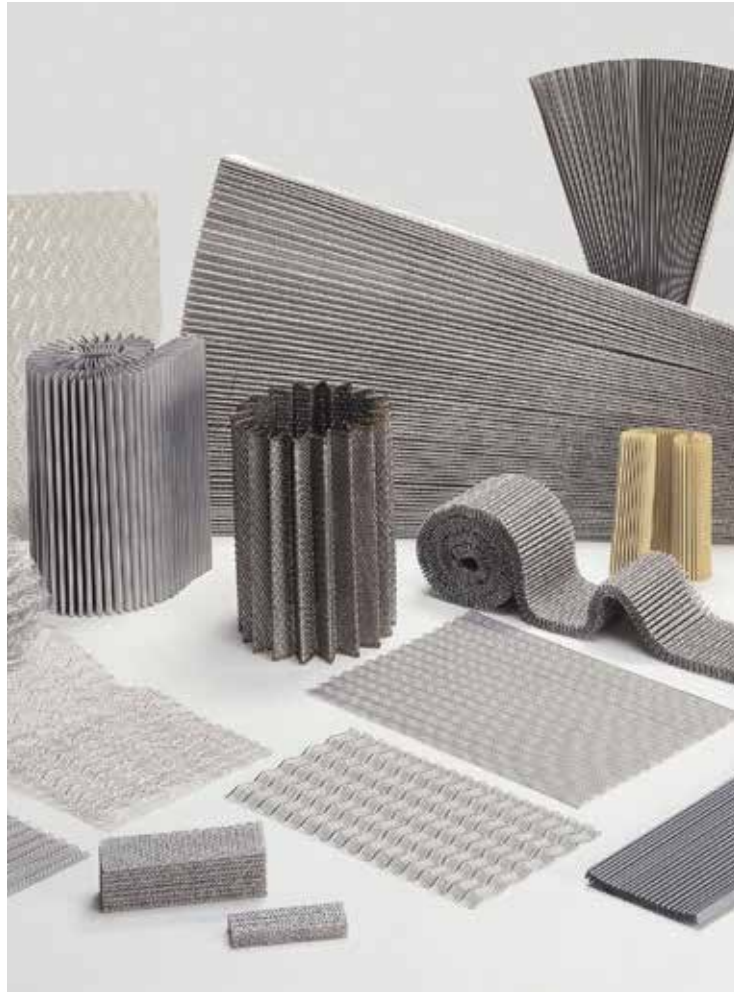


Never splits

Blanking



Funnelling



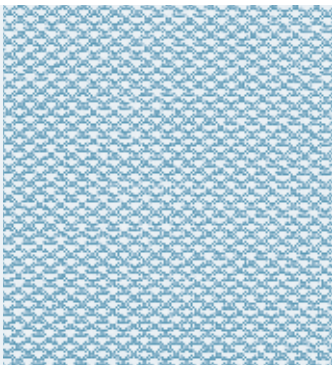
Italfim
knows the secrets
of expanded mesh

Many years of experience in dealing with its customers' requirements (treatment and final products).

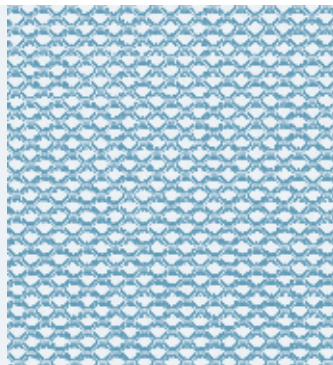
From manual crafting to 100% automated processes.

More than 60 years leadership on the international market.

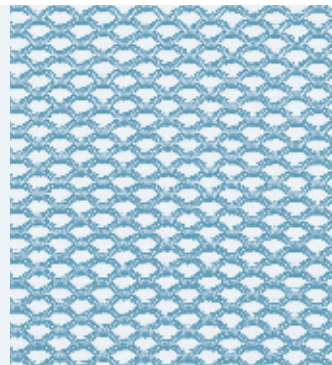
Ask our experts.



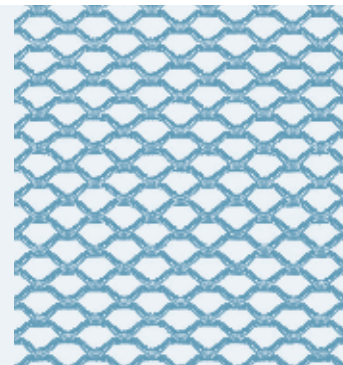
E 3



E 4



E 6

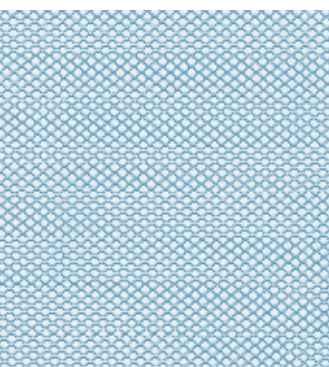
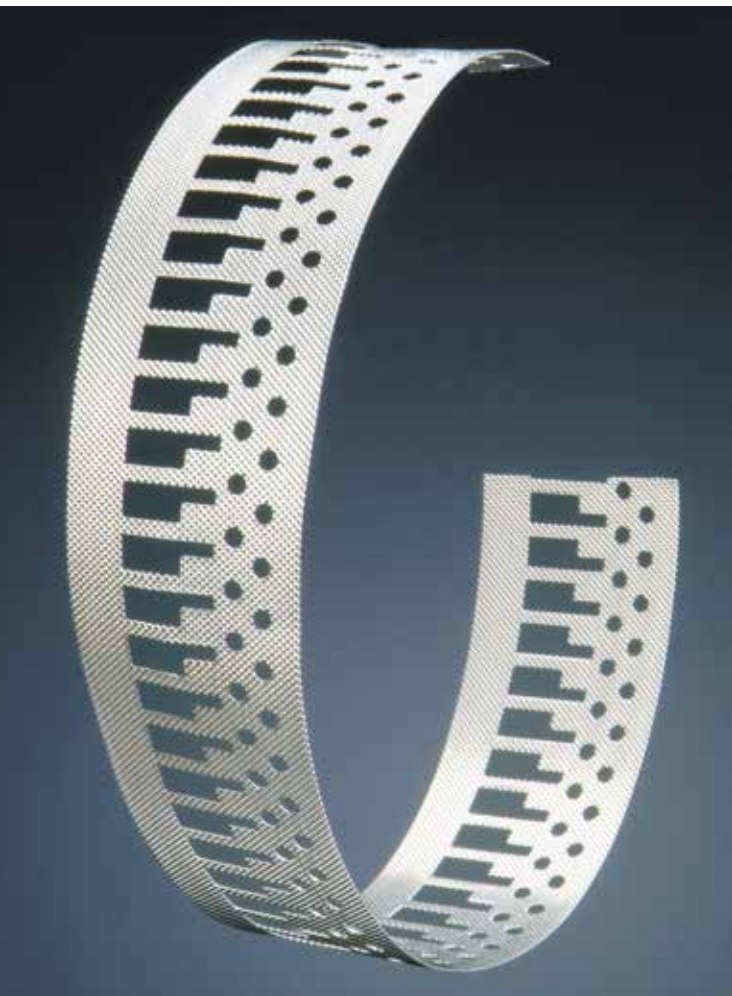


E 8

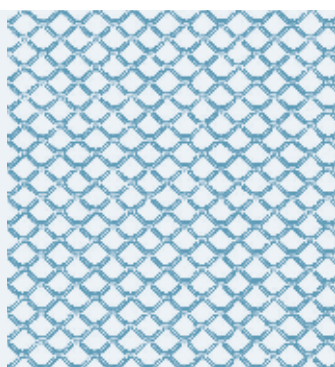
More specialisation in industrial production



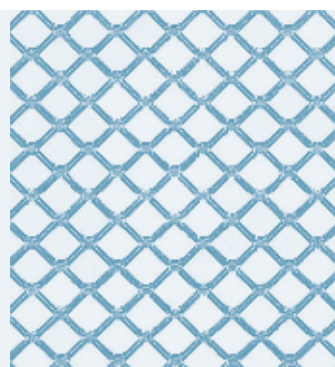
Product development and **made-to-measure** products, with component assemblies and details.



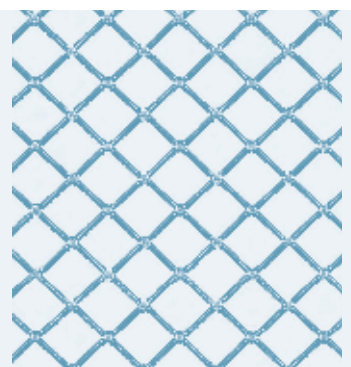
Q 2



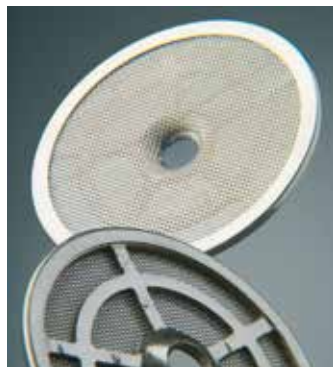
Q 5



Q 8



Q 10

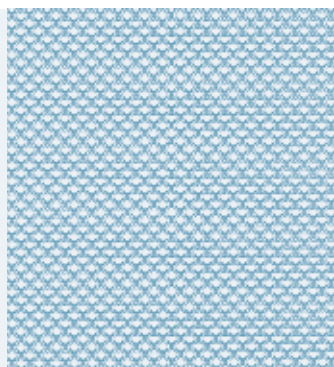
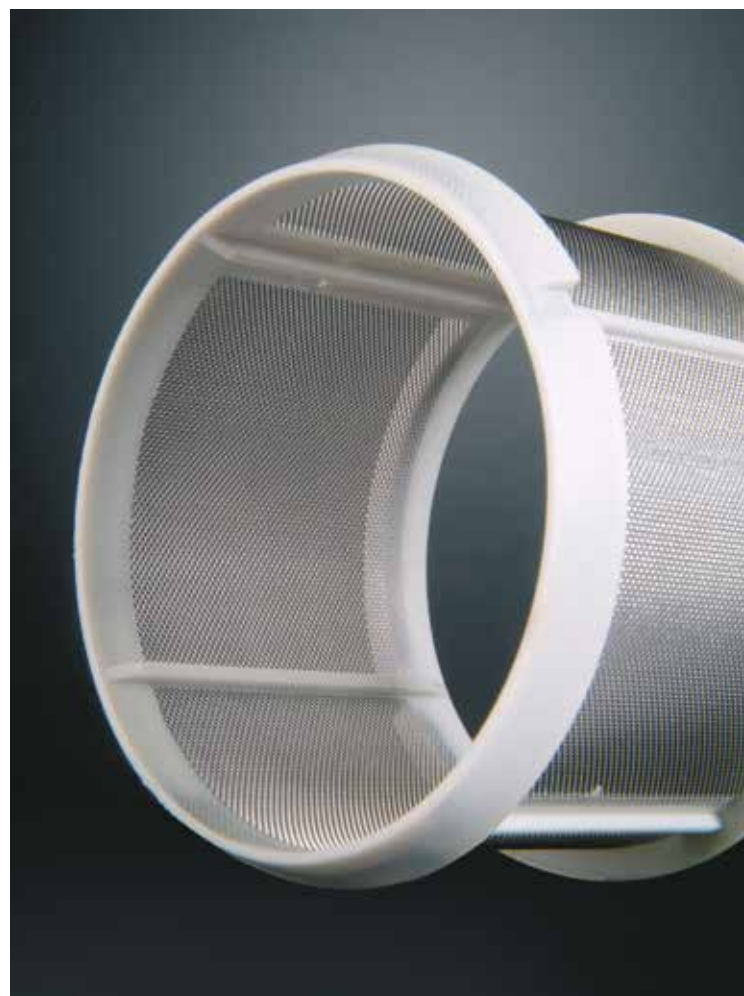


The ability to offer customised products is one of Italfim's strong points

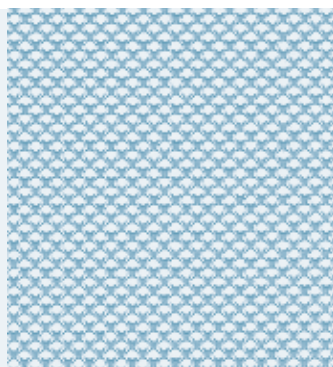
Extreme precision throughout the production process; design, prototyping and industrialising.

Hundreds of skilled processes and our highly professional staff guarantee customer satisfaction every time.

Try us out!



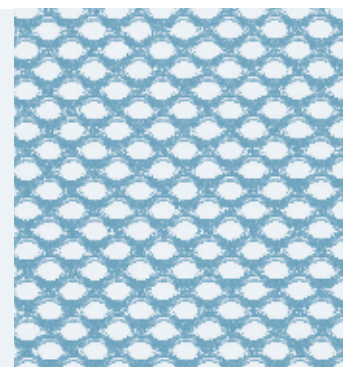
ST 2,5



ST 3

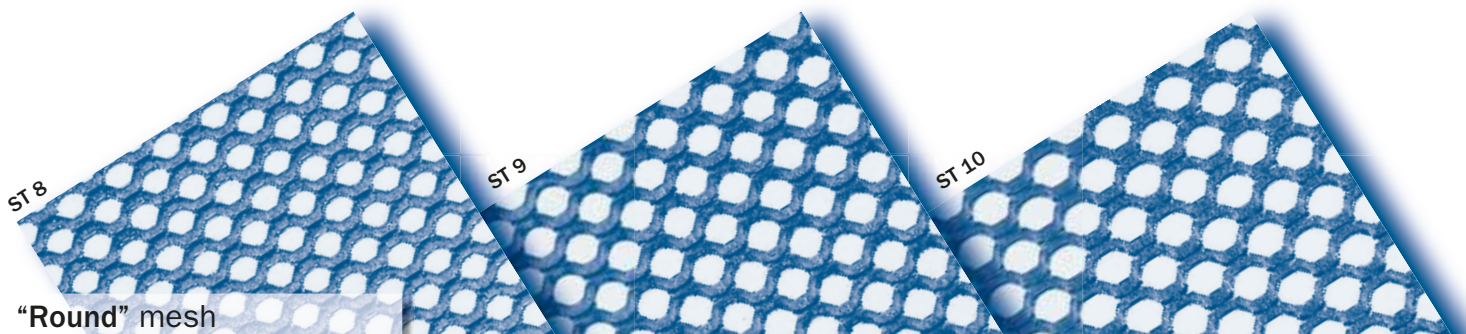
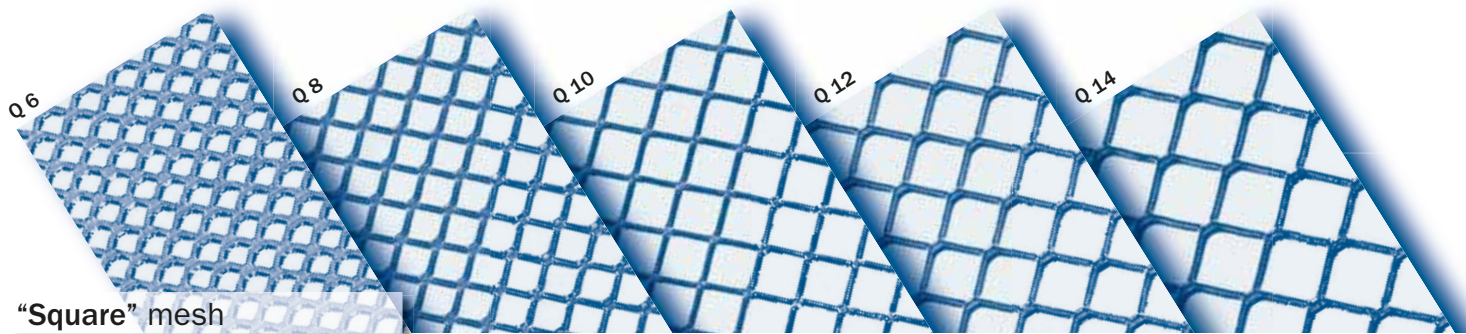
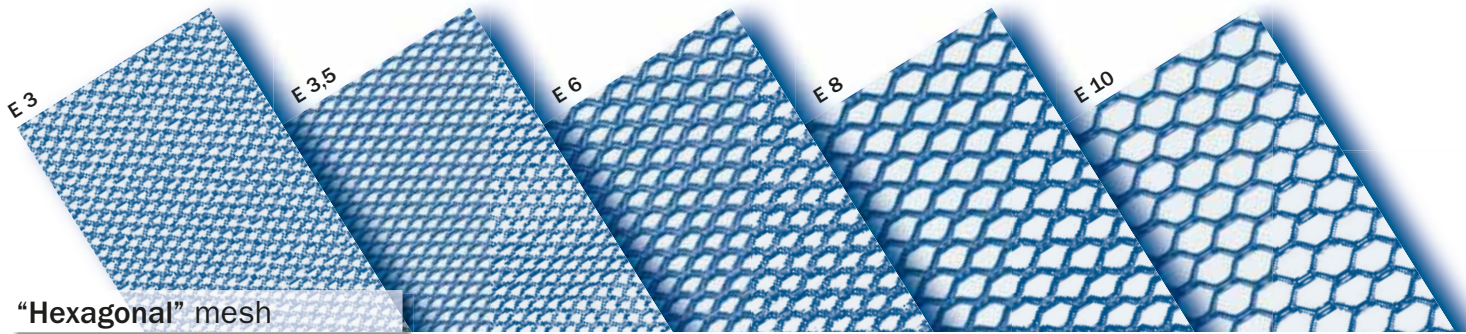
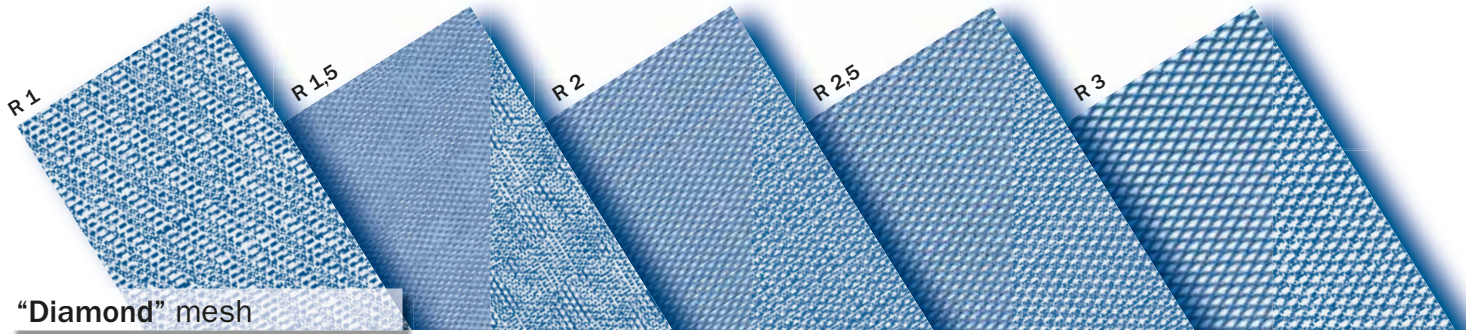
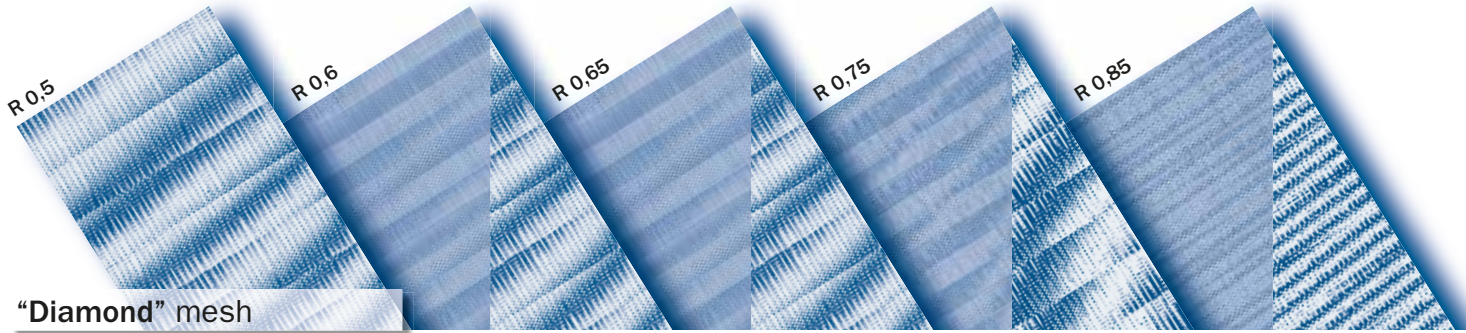


ST 4,5



ST 6

More assistance for your projects

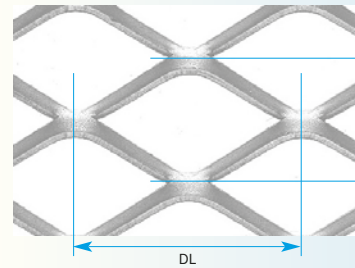


Technical data table

DL mm	CD mm	Strand width St/mm	Strand thickness Sp/mm	Weigh m ² - kg	side x side	Ø inscribed hole	Maximum width of sheet / coil
R 0,50	0,40	0,16	0,08	0,550		0,08	300
R 0,60	0,50	0,18	0,12	0,600		0,10	500
R 0,65	0,55	0,18	0,12	0,650		0,15	500
R 0,75	0,60	0,20	0,12	0,650		0,20	500
R 0,85	0,65	0,23	0,15	0,700		0,25	500
R 1	0,75	0,27	0,15	0,750		0,30	500
	0,75	0,23	0,20	1,000		0,25	500
R 1,5	1,00	0,35	0,15	0,700		0,40	500 - 1000
	1,00	0,30	0,20	1,000		0,38	500
	1,00	0,30	0,30	1,500		0,35	500
R 2	1,30	0,35	0,15	0,650		0,80	500 - 1000
	1,30	0,35	0,20	0,850		0,78	500 - 1000
	1,30	0,30	0,30	1,100		0,75	500 - 1000
R 2,5	1,50	0,35	0,20	0,750		0,85	500 - 1000
	1,50	0,30	0,30	1,000		0,80	500 - 1000
	1,50	0,30	0,40	1,300		0,70	500
R 3	1,80	0,40	0,30	1,100		0,80	500 - 1000
	1,80	0,40	0,40	1,450		0,75	500 - 1000
	1,80	0,40	0,50	1,800		0,70	500 - 1000
E 3	2,00	0,50	0,40	1,600		1,00	625
	2,00	0,50	0,50	2,000		0,90	625
	2,00	0,50	0,60	2,400		0,80	625
E 3,5	2,30	0,55	0,40	1,550		1,30	625
	2,30	0,55	0,50	1,900		1,20	625
	2,30	0,55	0,60	2,300		1,10	625
E 6	3,50	0,80	0,60	2,100		2,30	1000 - 1250
	3,50	0,80	0,80	2,750		2,20	1000 - 1250
	3,50	0,80	1,00	3,450		2,00	1000 - 1250
E 8	4,70	0,80	0,60	1,900		3,00	1000 - 1250
	4,70	0,80	0,80	2,400		2,90	1000 - 1250
	4,70	0,80	1,00	2,800		2,60	1000 - 1250
E 10	5,00	1,00	0,60	1,900		3,60	1000 - 1250
	5,00	1,00	0,80	2,550		3,40	1000 - 1250
	5,00	1,00	1,00	3,100		3,30	1000 - 1250
Q 6	4,50	0,50	0,500	0,900	3,0 x 3,0		1000 - 1250
	4,50	0,60	0,600	1,300	3,0 x 3,0		1000 - 1250
	4,50	0,80	0,800	2,250	3,0 x 3,0		1000 - 1250
Q 8	6,00	0,60	0,600	0,950	4,0 x 4,0		1000 - 1250
	6,00	0,80	0,800	1,700	4,0 x 4,0		1000 - 1250
	6,00	1,00	1,000	2,650	4,0 x 4,0		1000 - 1250
Q 10	8,00	0,60	0,600	0,700	5,0 x 5,0		1000 - 1250
	8,00	0,80	0,800	1,300	5,0 x 5,0		1000 - 1250
	8,00	1,00	1,000	2,000	5,0 x 5,0		1000 - 1250
Q 12	9,50	0,80	0,800	1,100	6,0 x 6,0		1000 - 1250
	9,50	1,00	1,000	1,700	6,0 x 6,0		1000 - 1250
	9,50	1,50	1,500	3,750	6,0 x 6,0		1000 - 1250
Q 14	11,00	0,80	0,800	0,950	7,0 x 7,0		1000 - 1250 - 1500
	11,00	1,00	1,000	1,450	7,0 x 7,0		1000 - 1250 - 1500
	11,00	1,50	1,500	3,250	7,0 x 7,0		1000 - 1250 - 1500
ST 8		1,50	0,60	2,300		3,00	1000 - 1250 - 1500
		1,50	0,80	2,900		3,00	1000 - 1250 - 1500
		1,50	1,00	3,500		3,00	1000 - 1250 - 1500
ST 9		1,60	0,60	2,200		4,00	1000 - 1250 - 1500
		1,60	0,80	2,900		4,00	1000 - 1250 - 1500
		1,60	1,00	3,500		4,00	1000 - 1250 - 1500
ST 10		1,60	0,60	1,950		5,00	1000 - 1250 - 1500
		1,60	0,80	2,600		5,00	1000 - 1250 - 1500
		1,60	1,00	3,300		5,00	1000 - 1250 - 1500

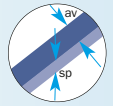
Mesh identification

$$\text{R } 35 \times 17,00 - 1,50 \times 1,50$$



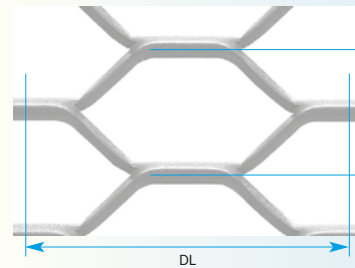
DIAMOND

Key
R = Pitch = DL
DL = Long way
DC = Short way
av = Strand width
sp = Strand thickness



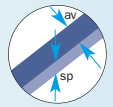
Mesh identification

$$\text{E } 30 \times 16,00 - 2,00 \times 2,00$$



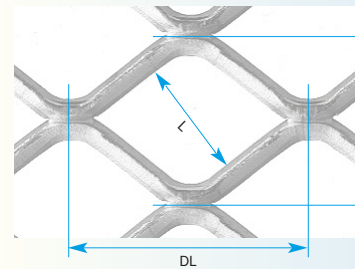
HEXAGONAL

Key
E = Hexagonal = DL
DL = Long way
DC = Short way
av = Strand width
sp = Strand thickness



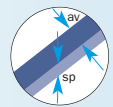
Mesh identification

$$\text{Q } 12 \times 9,50 - 1,50 \times 1,50$$



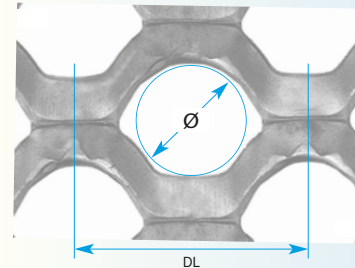
SQUARE

Key
Q = Square = DL
DL = Long way
DC = Short way
av = Strand width
sp = Strand thickness
L = Side



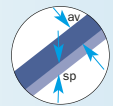
Mesh identification

$$\text{ST } 4,5 - 1,10 \times 0,80 - 1,50$$



ROUND

Key
ST = DL
av = Strand width
sp = Strand thickness
Ø = Hole diameter



Selection of apertures for industrial sectors, coming in a wide range of: materials, aperture lines, DL x DC, strand thickness and widths

More dependability

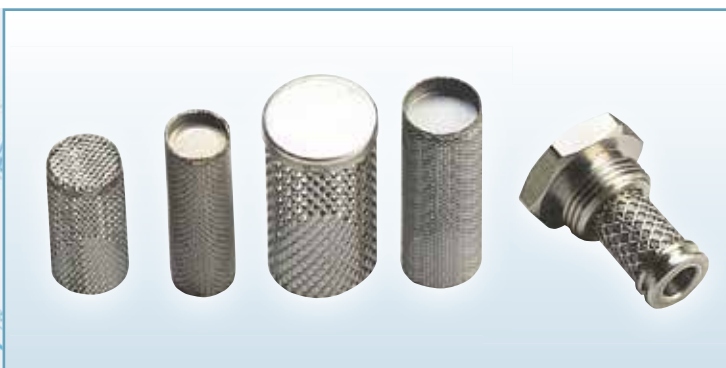


The creation of filtering elements for heavy-duty applications calls for expertise, a good knowledge of which materials to use and **great professionalism** in the actual production process.

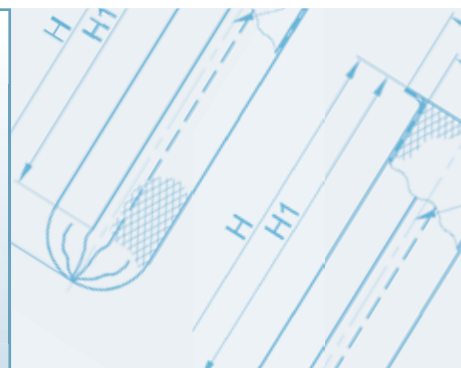
FILTERING



Water filters



Special assemblies





Choose dependability.
Your ideas are
in safe hands.



Tubular filters



Assorted filters

Italfim delivers
finished
products exactly
**as you have
conceived** and
designed them.

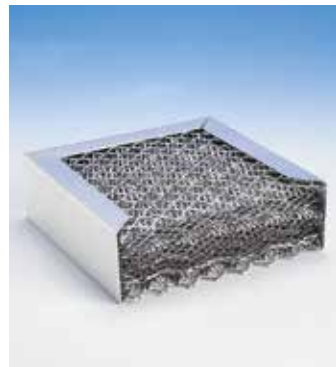
Every detail
is perfectly
produced.



Assemblies with plastic and stainless steel components

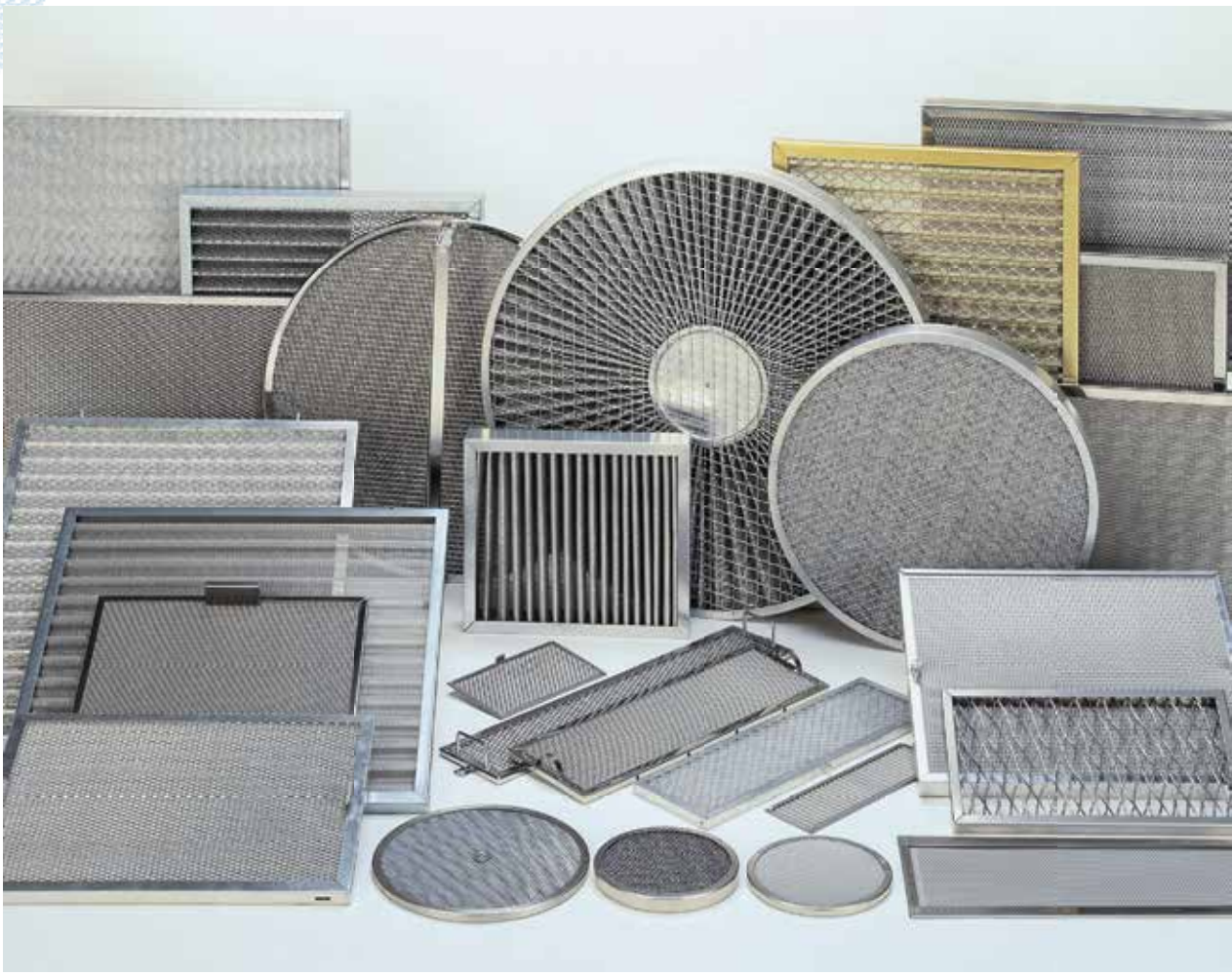


More modularity



Assembled **multilayer composite** panels, with edges and accessories.

FILTERING



Small pleated, fretted and corrugated meshes - Mesh filter panels for industrial hoods - Convector

Labyrinth panels for stainless steel hoods for ultra-efficient filtering. Standard sizes and special made-to-measure solutions available upon request.



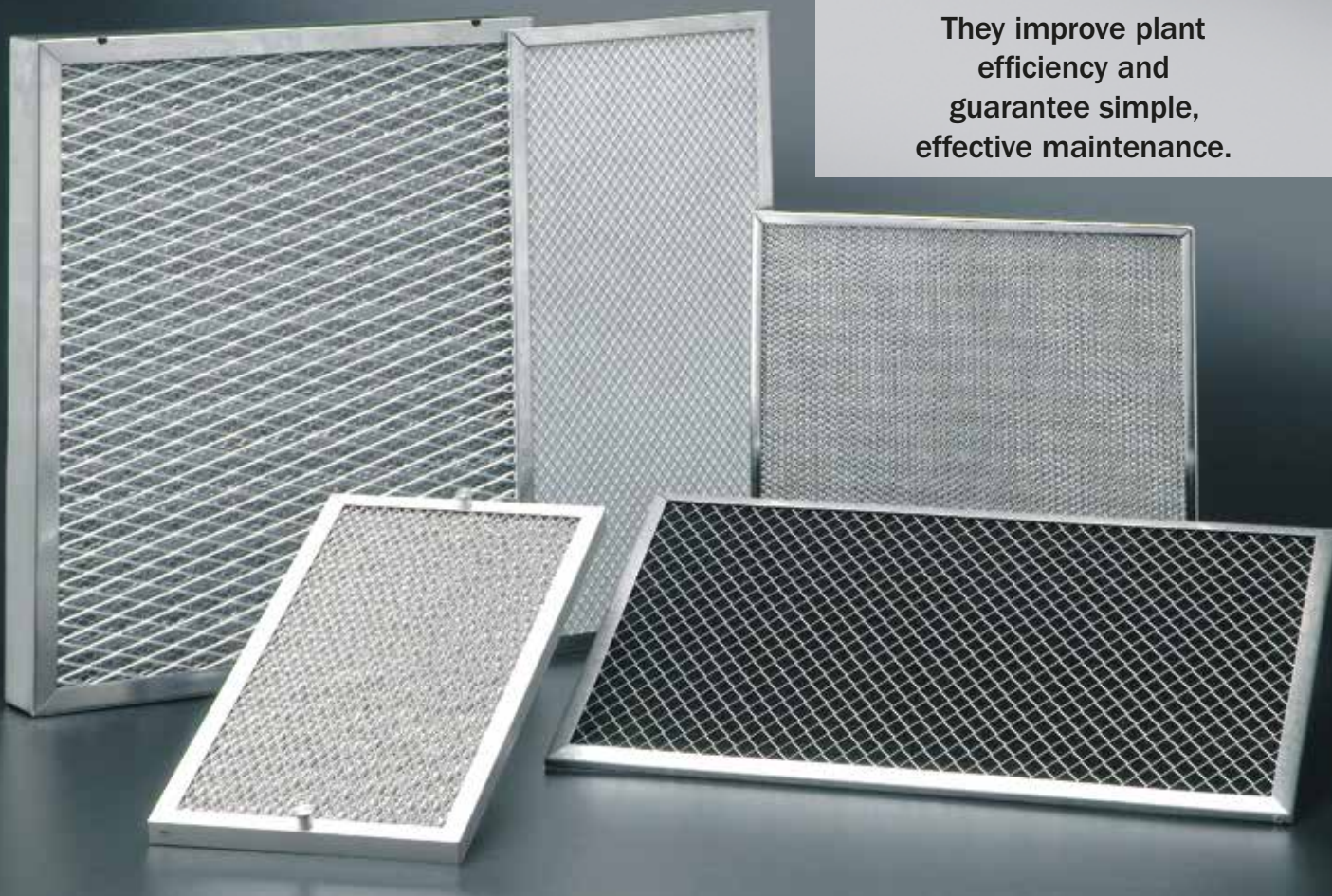
Folded-under edges for safe handling



Finish details

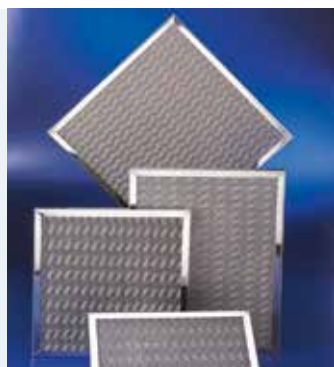


Not only cylinders:
Italfim
is also an expert in
flat expanded
mesh filters and
panels.

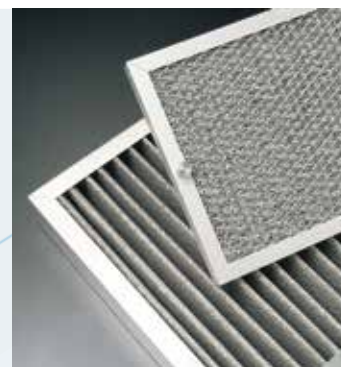


They improve plant
efficiency and
guarantee simple,
effective maintenance.

Filters and filtering panels



Expanded mesh filtering panels compliant with
DIN 31000 accident prevention standards.
Made from stainless steel: the ideal hygienic
material, as proved by local health authority
technical specifications.
Standard sizes and special made-to-measure
solutions available upon request.

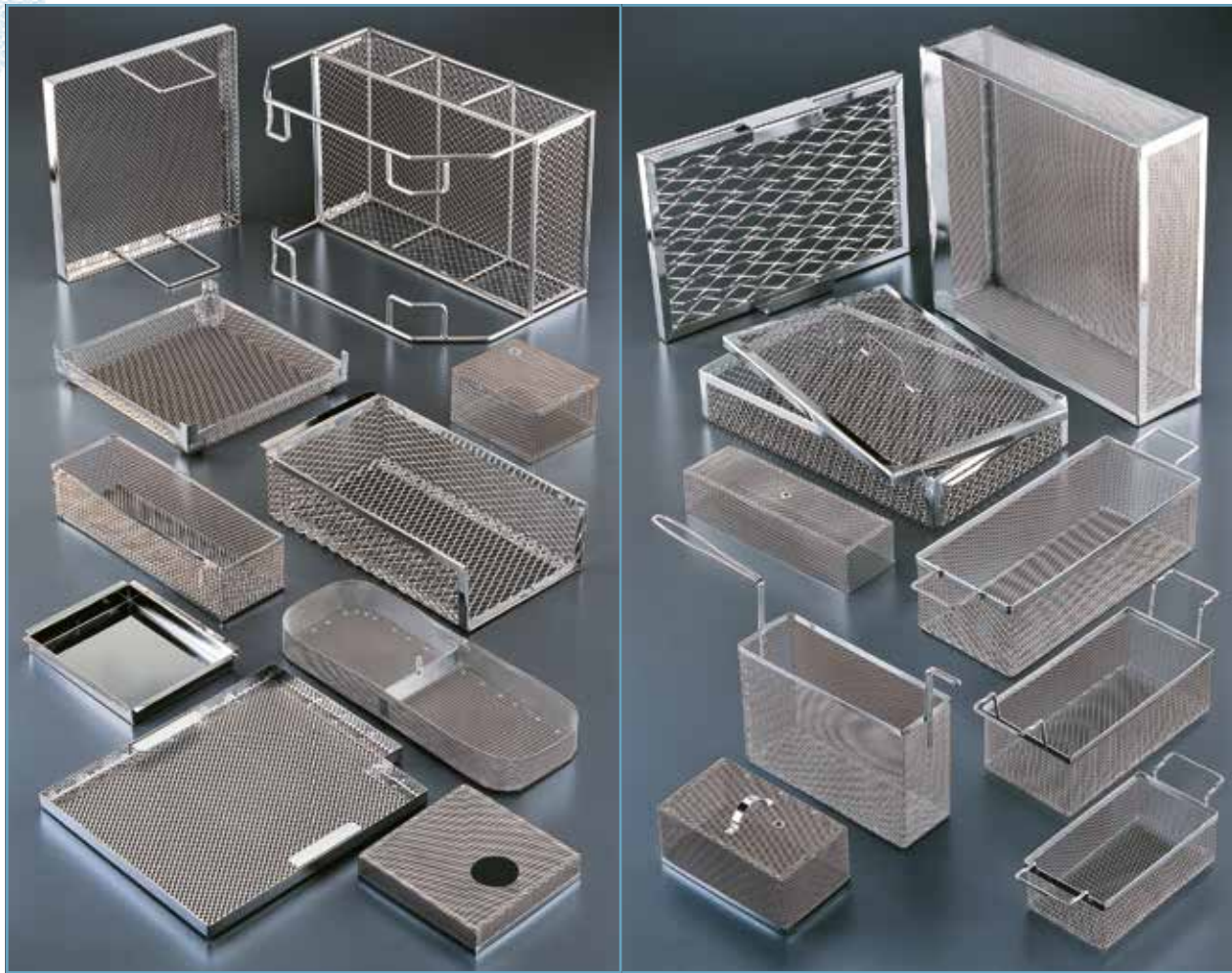


More accuracy

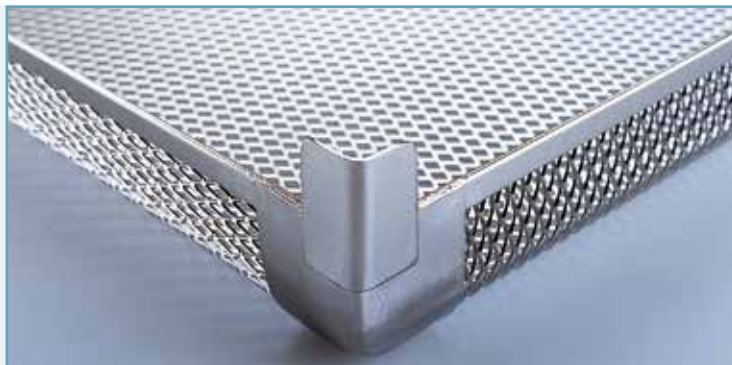


The specific expertise found in each Italfim division offers a sure guarantee of the quality of our workmanship and the precision of each and every order we deliver, **no matter how complex.**

LIGHTWEIGHT
STRUCTURAL STEEL



Multipurpose containers



Accurate details.



Cylindrical baskets

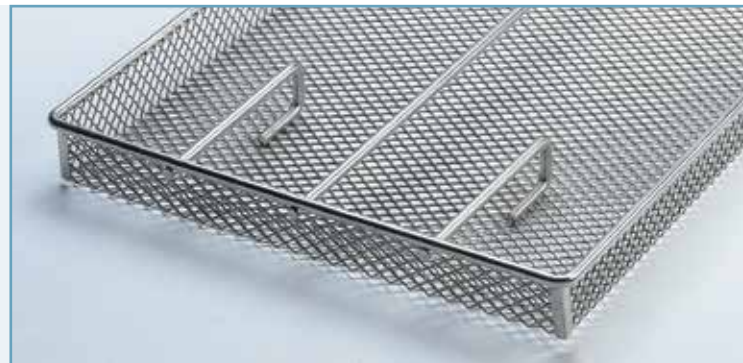


Special products, even in **small quantities.**

Baskets with special accessories



Application of completing accessories.



IN HARMONY WITH THE ENVIRONMENT



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PROTECTION • SUSTAINABILITY AESTHETIC QUALITY • RECYCLABILITY



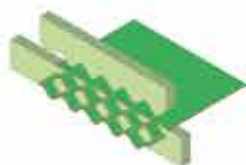
Green energy

70% of the energy required for production comes from photovoltaic systems.



Zero-scrap processing

Expanded metal is produced without any work scrap with the optimized use of raw materials.



Pollution-free process

"Expanding" is a cold-pressing process that does not require the use of pollutants.



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At the end of its long working life, expanded metal is subjected to differentiated waste collection for 100% recycling.



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