

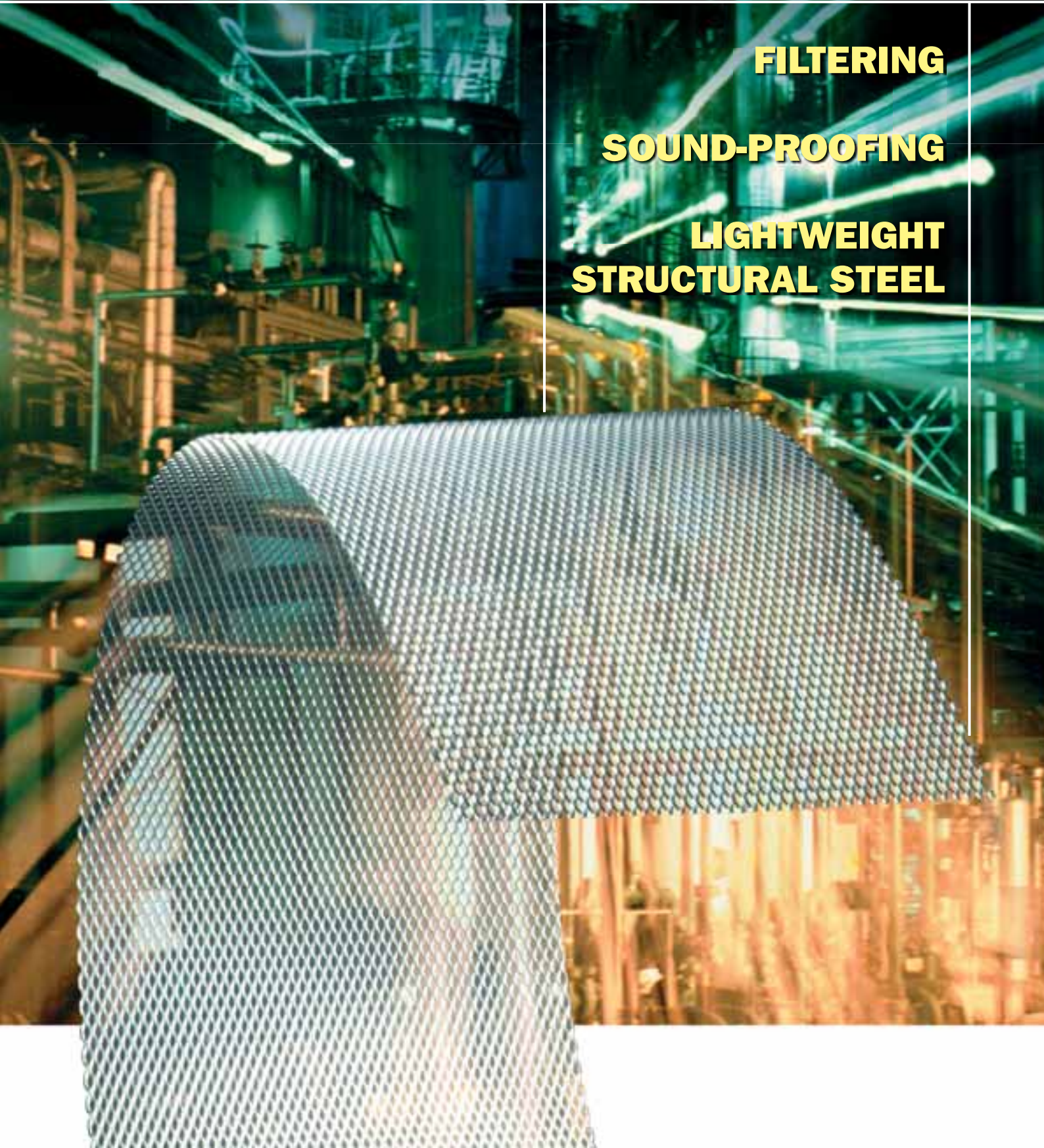
Industry made-to-measure

The solutions and advantages of Italfim expanded mesh

FILTERING

SOUND-PROOFING

**LIGHTWEIGHT
STRUCTURAL STEEL**



More added value for your company



guaranteed by Italfim



The Italfim brand stands for quality products, guaranteed service, standard and **made-to-measure** solutions. Constantly at your service these past 60 years.

Dimensional control of the apertures in expanded mesh using microscopes and electronic means



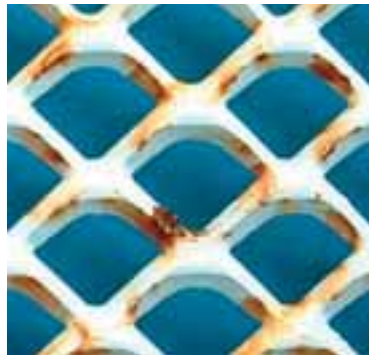
Italfim is a certified trail-blazing producer of **expanded mesh and micromesh** for heavy-duty industrial use in all sectors.



Expanded mesh warehouses



Visual inspection of expanded mesh subjected to rust resistance tests in a saline mist.



Degreasing system



Laboratory equipment for checking the aperture percentage in expanded mesh

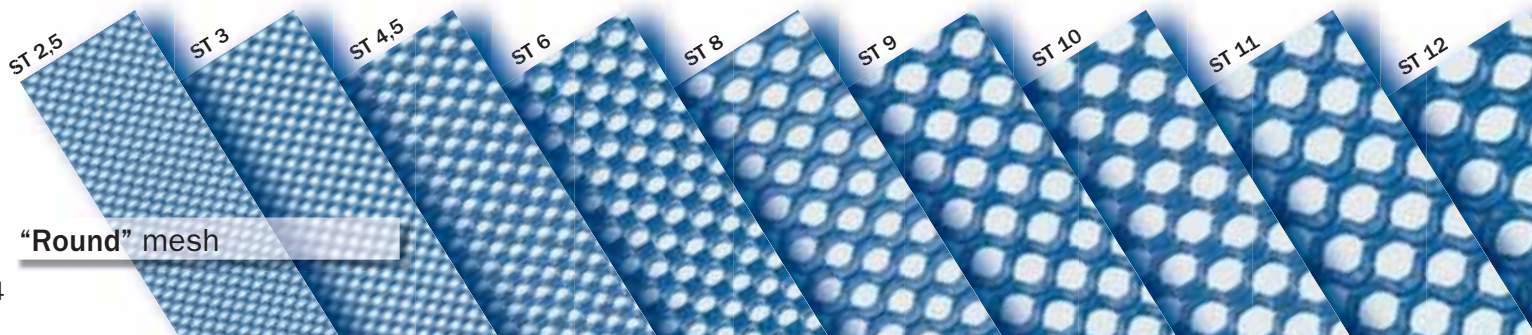
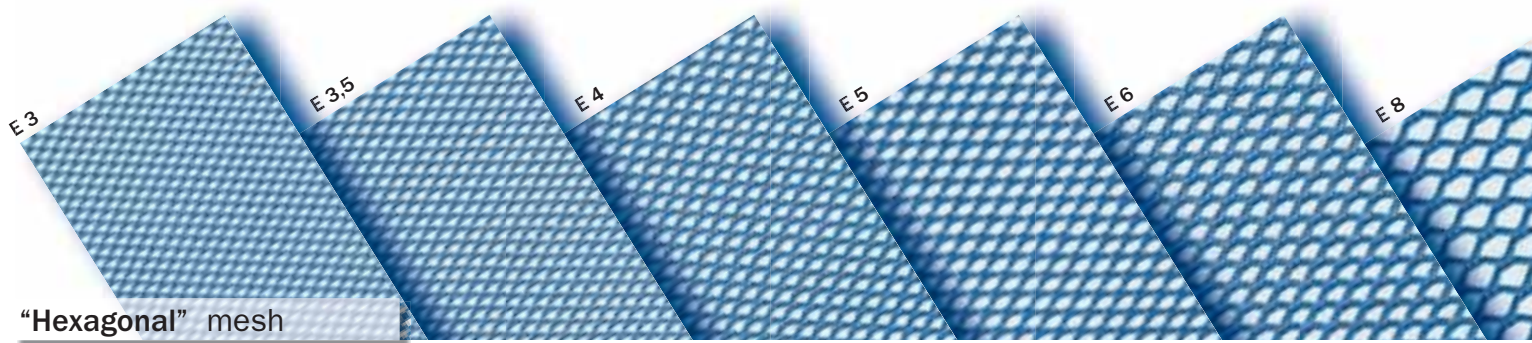
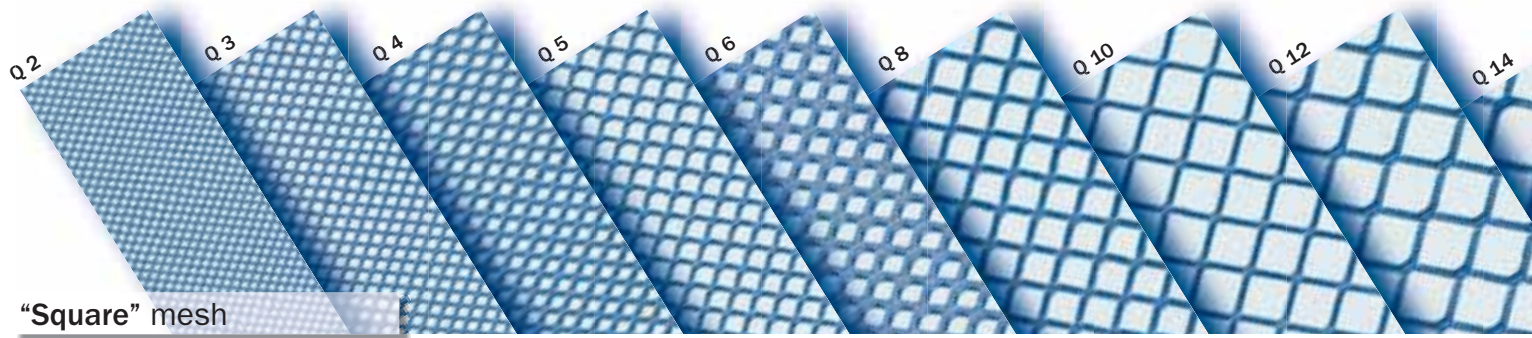
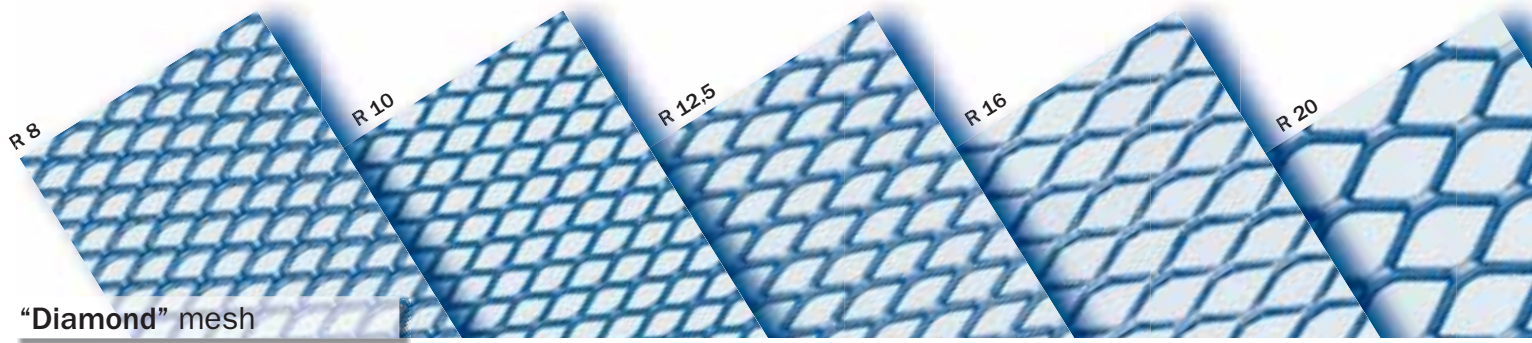
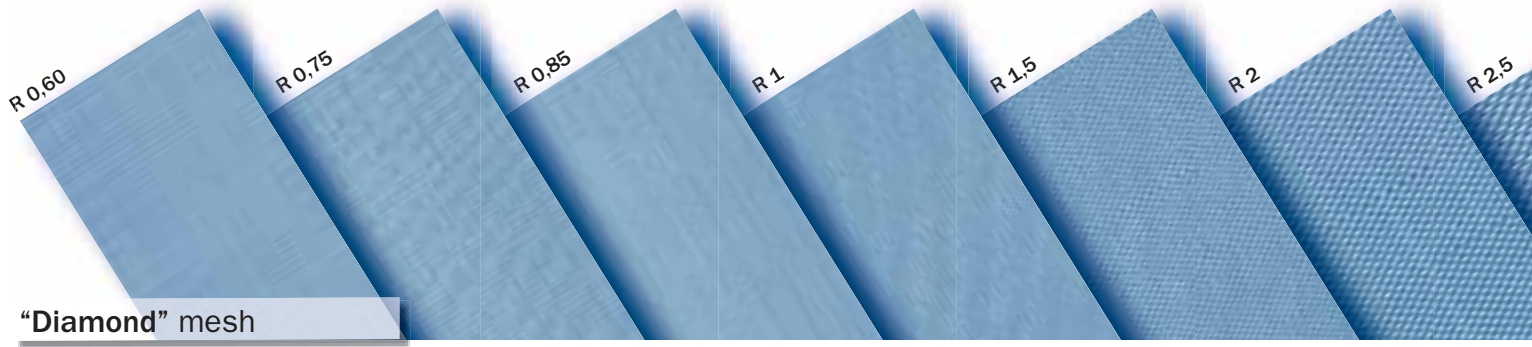


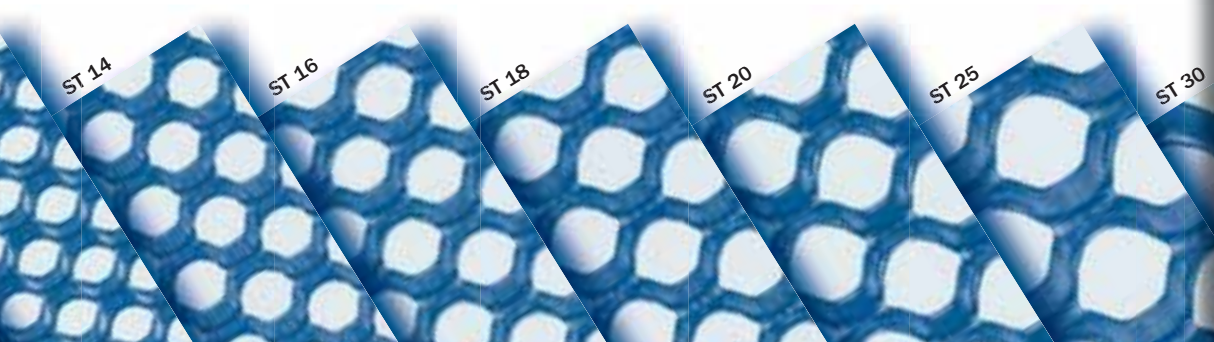
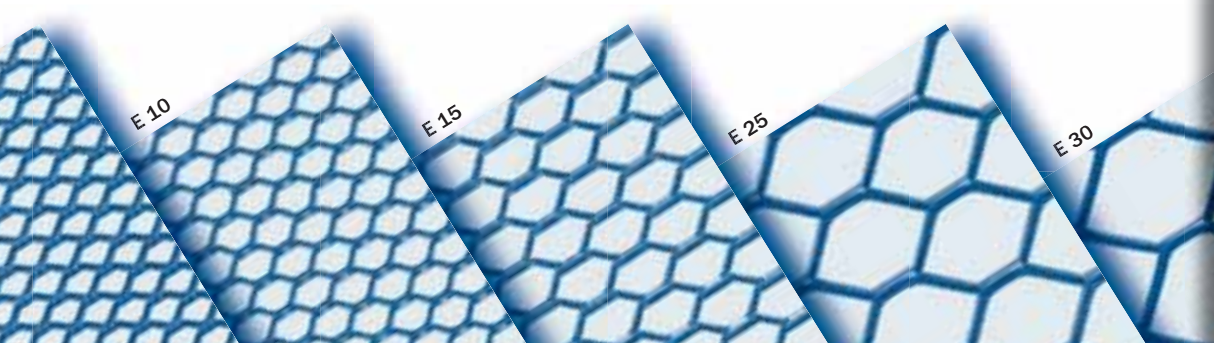
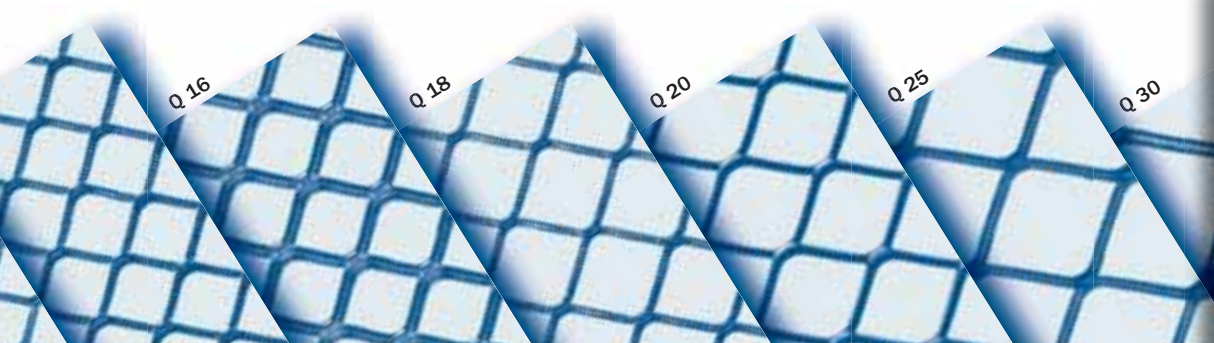
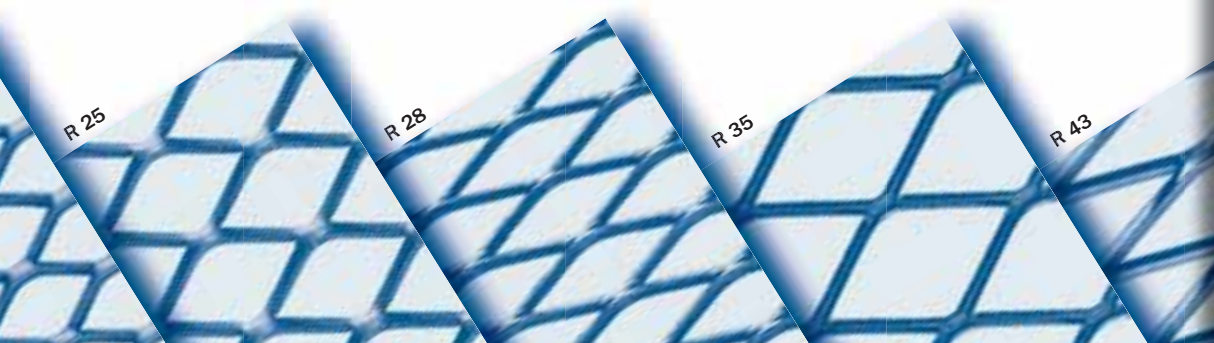
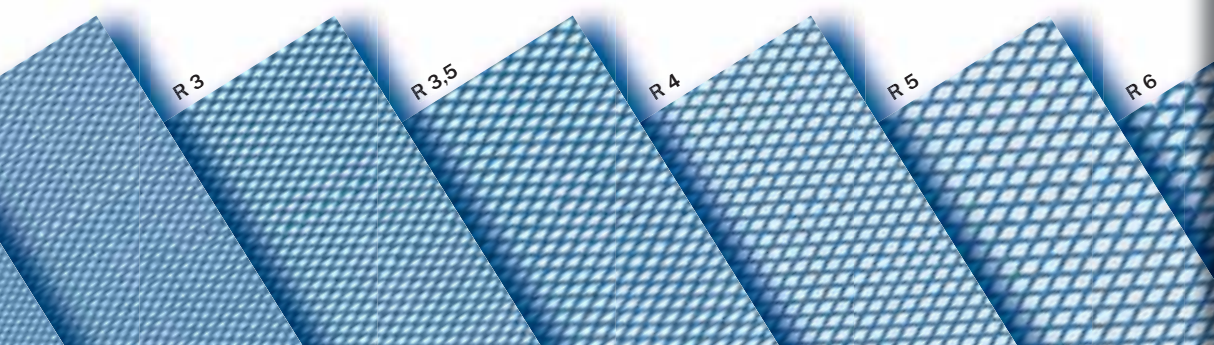
Instrument for electronic detection of the chemical composition of the raw material

An organisation at your service.



More choices to suit your needs





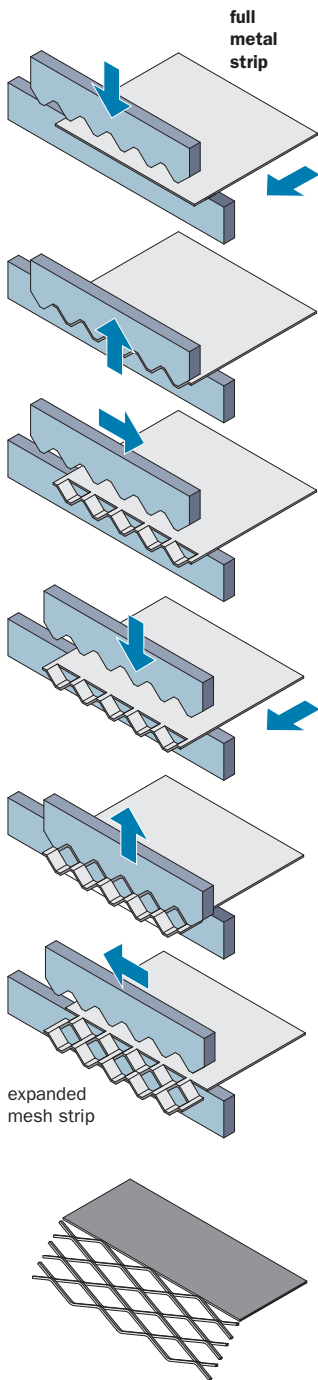
The Italfim range contains thousands of different configurations, letting you choose the most suitable solution to meet your specific needs.

See our general catalogue and contact our experts for further information on materials, strand thickness, strand width and other expanded mesh details.

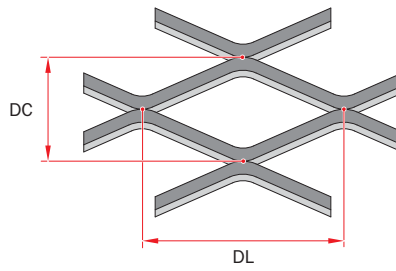
If you have special requirements, don't hesitate to ask for personalised samples.

More experience in expanded mesh

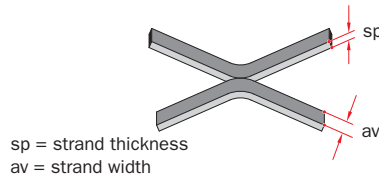
1 Expanding the metal



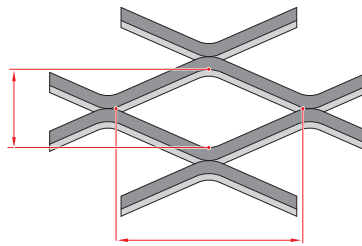
2 Mesh dimensions



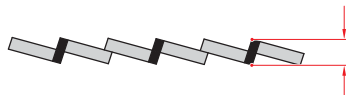
3 Mesh section



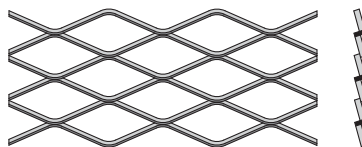
4 Mesh/aperture dimensions



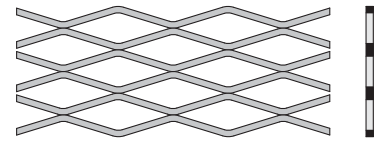
5 Final expanded mesh thickness



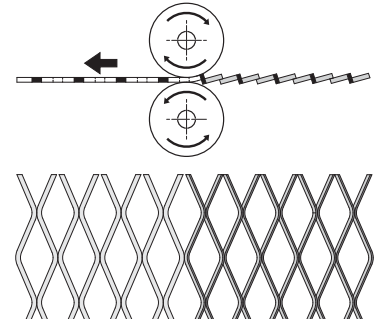
6 Expanded mesh, not flattened



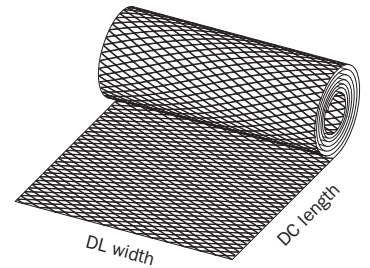
7 Expanded flattened mesh



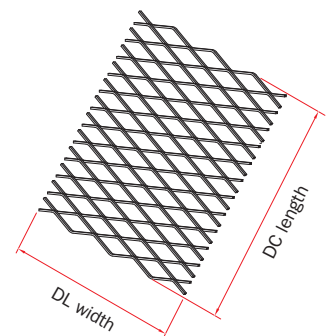
8 Flattening diagram



9 Roll of expanded mesh



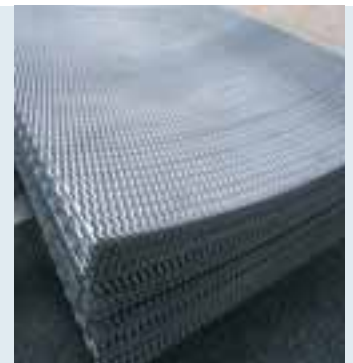
10 Sheet/blank dimensions



Standard: rolls and sheets in standard commercial thickness and dimensions.

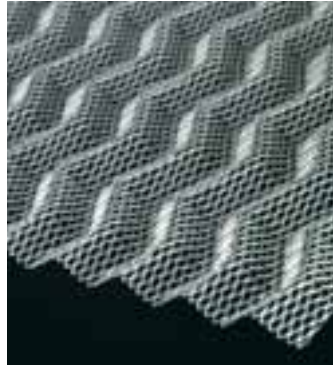
Upon request, made-to-measure: rolls and blanks, filters and finished products.

Mesh made from various materials: carbon steel, galvanised carbon steel, stainless steel, aluminium, copper, brass, titanium and other materials.

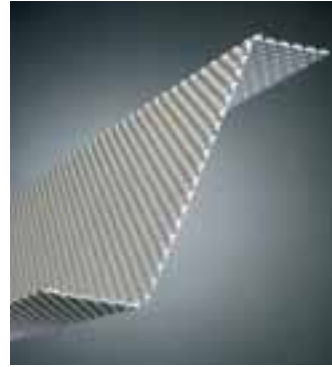




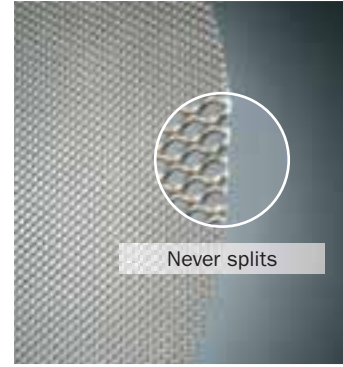
Pleating
Roulage/soudage



Fretting



Bending



Blanking



Funnelling



Italfim
knows the secrets
of expanded mesh

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

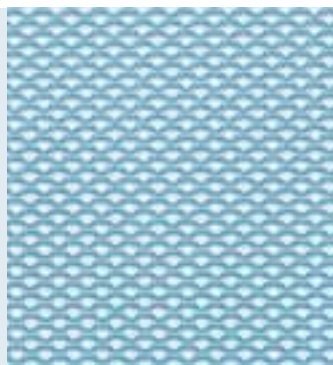
From manual crafting to 100% automated processes.

More than 60 years leadership on the international market.

Ask our experts.



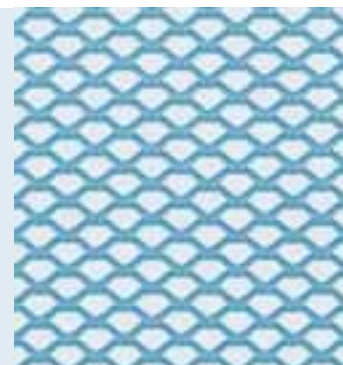
E 3



E 4



E 6

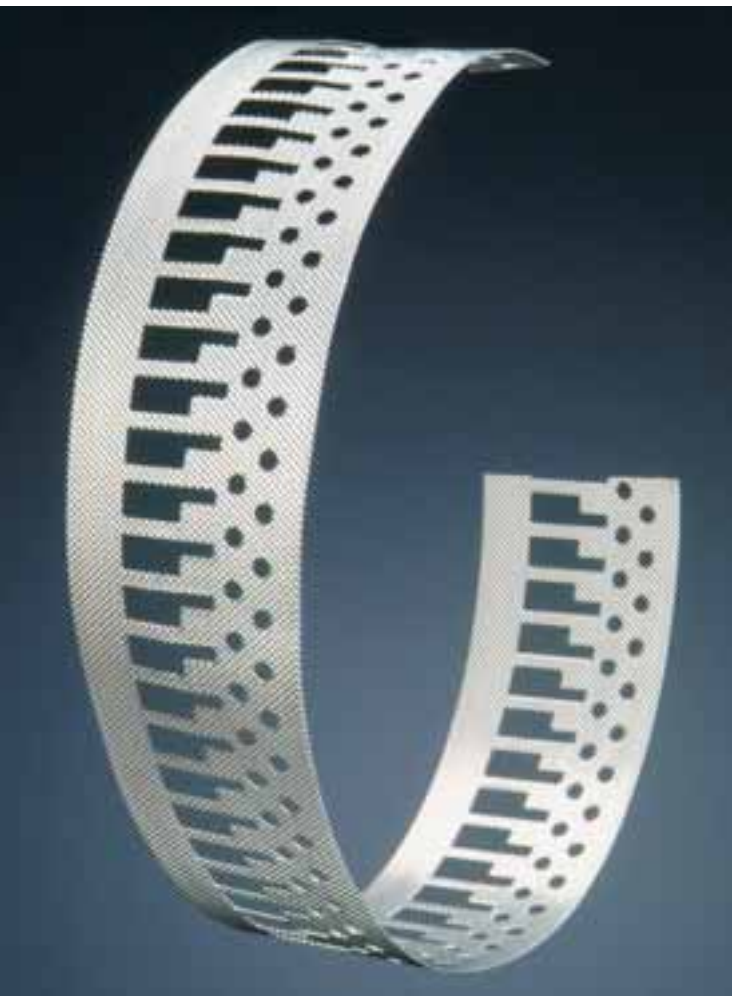


E 8

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

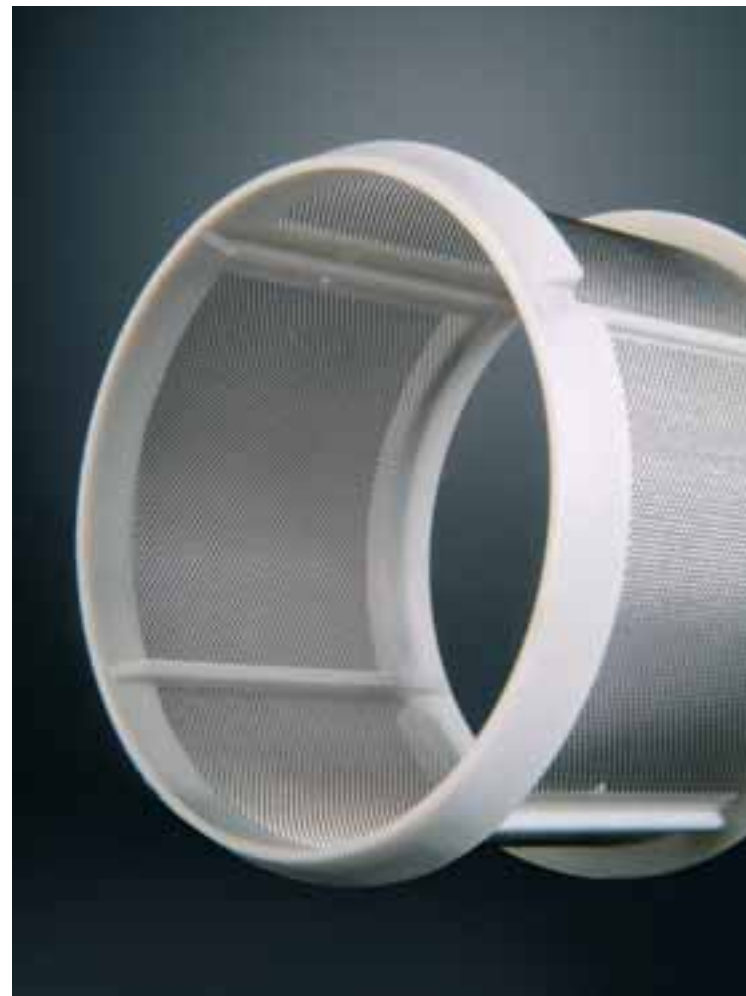


The ability to offer customised products is one of Italfim's strong points

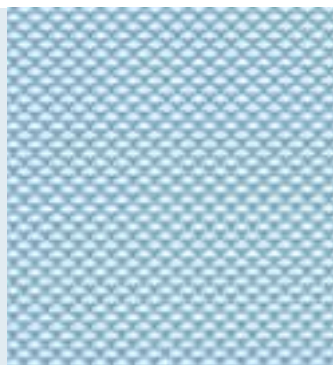
Extreme precision throughout the production process; design, prototyping and industrialising.

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

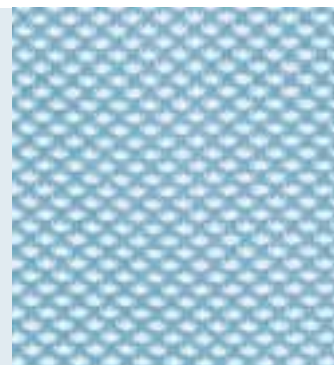
Try us out!



ST 2,5



ST 3



ST 4,5



ST 6

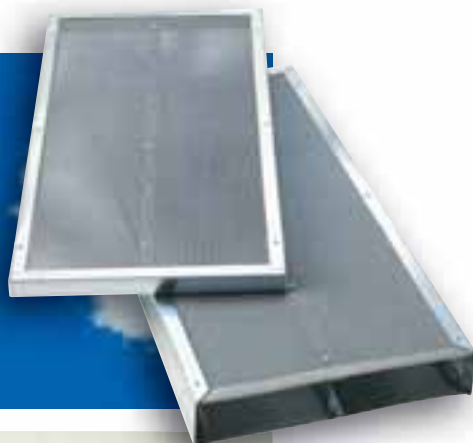
More solutions to optimise production processes

Italfim expanded mesh is irreplaceable for a myriad applications: air conditioning, water and gas processing, oil and dust filtering, sound diffusion and sound-proofing.





AIR



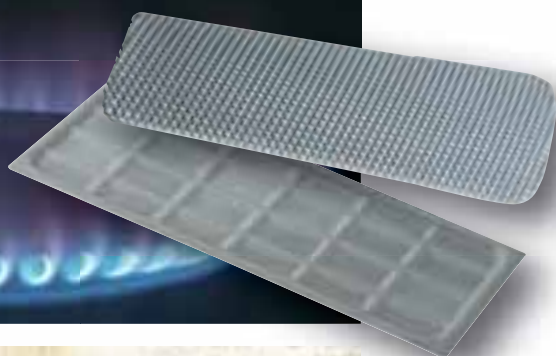
WATER



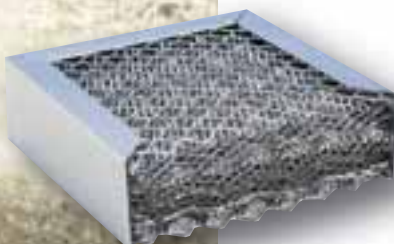
OIL



GAS



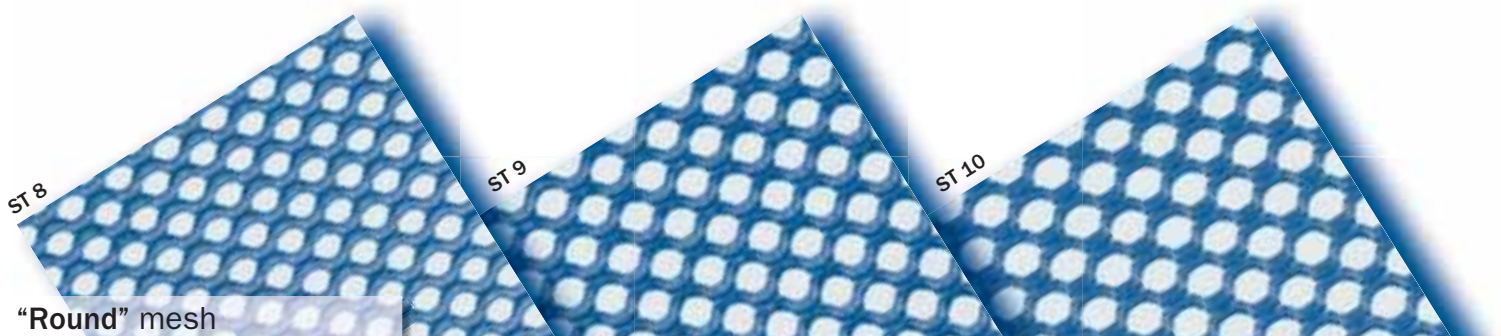
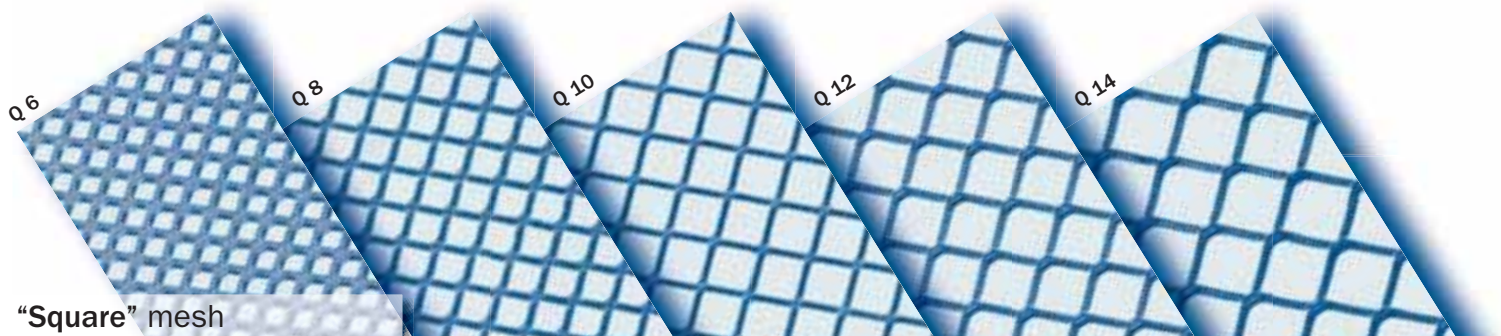
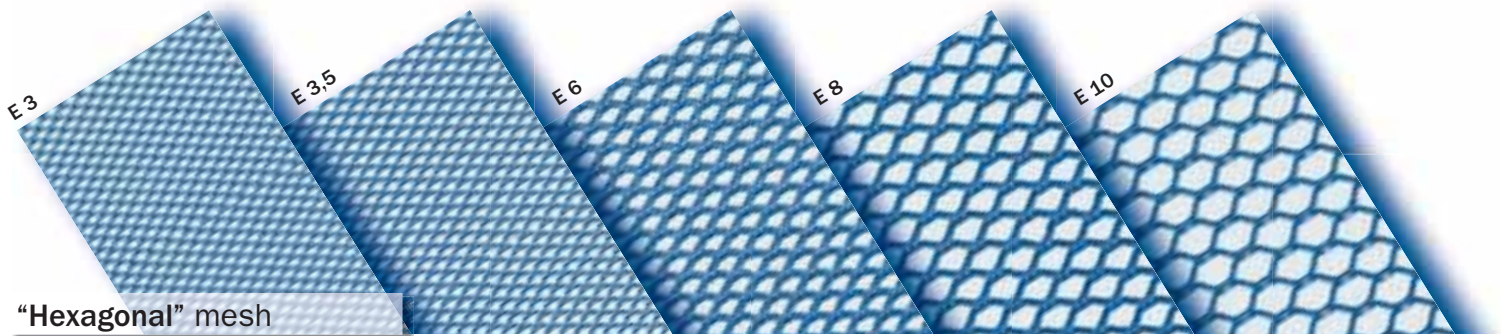
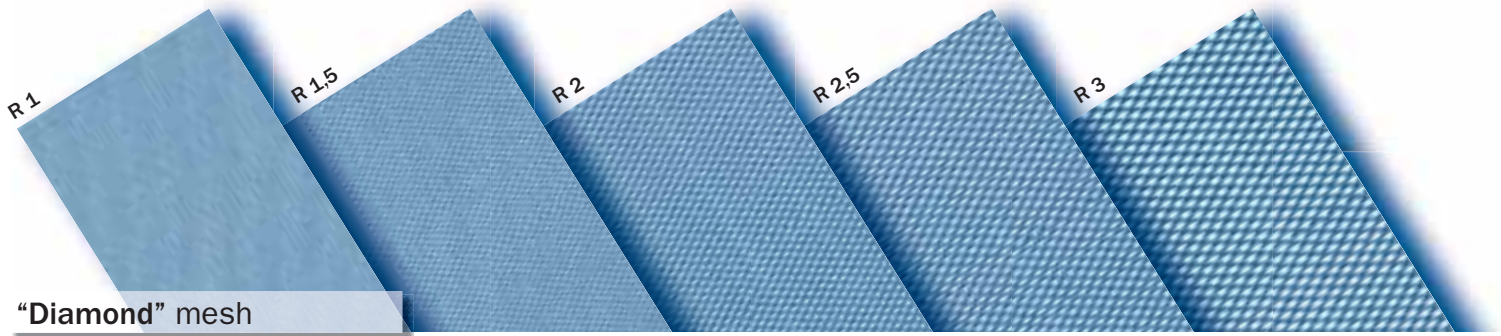
SAND



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

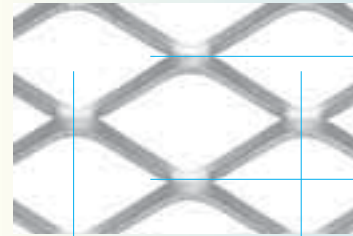
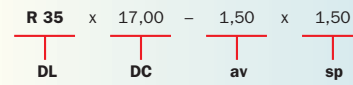
More assistance for your projects



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

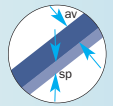
Mesh identification



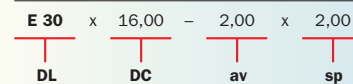
DIAMOND

Key

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



Mesh identification



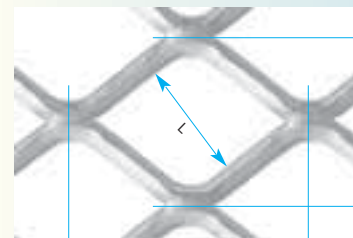
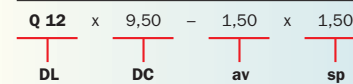
HEXAGONAL

Key

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



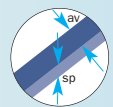
Mesh identification



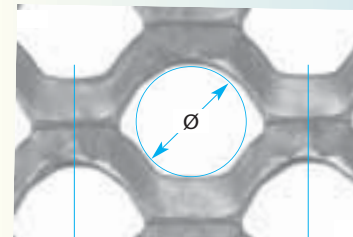
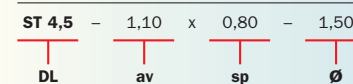
SQUARE

Key

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



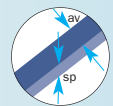
Mesh identification



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.



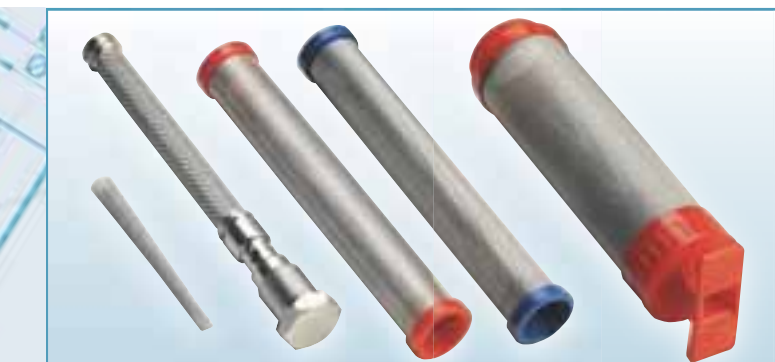
Tubular filters



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 flexibility



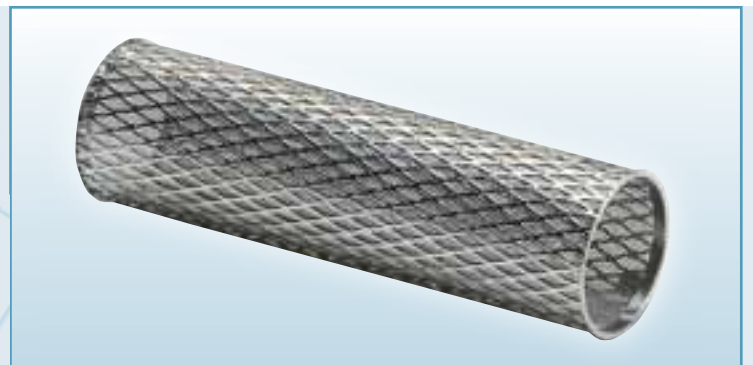
FILTERING



Cylindrical filters with internal elements



Shaped filters



Italfim service
to simplify, optimise
and speed up
your production
cycles.



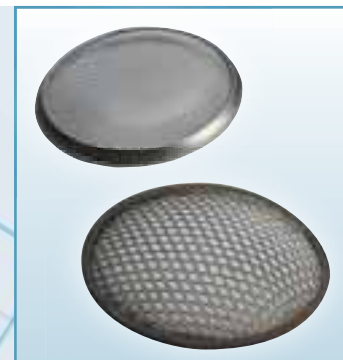
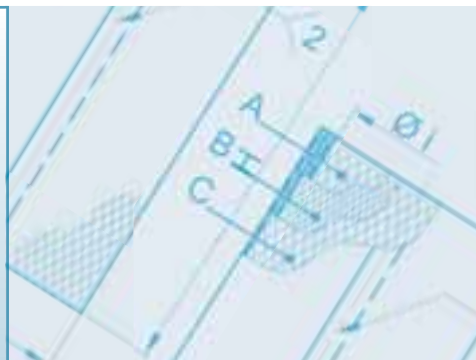
Special details



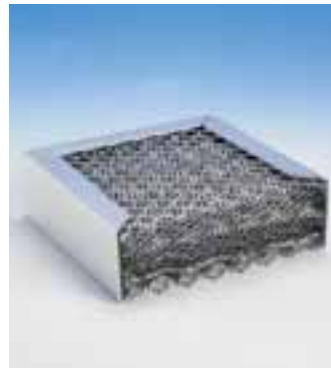
Stamped filters

We all know
businesses
constantly need
new products.

Italfim meets
this need thanks
to its **flexibility**
and its **know-
how**, even in the
case of small
production runs.



More modularity



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

FILTERING



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

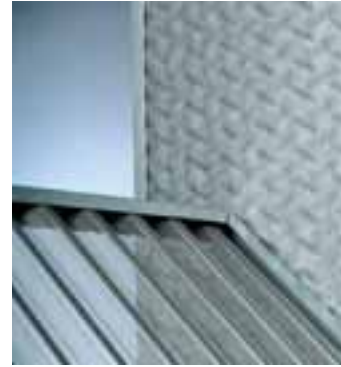
Labyrinth panels for stainless steel hoods for ultra-efficient filtering. Standard sizes and special made-to-measure solutions available upon request.



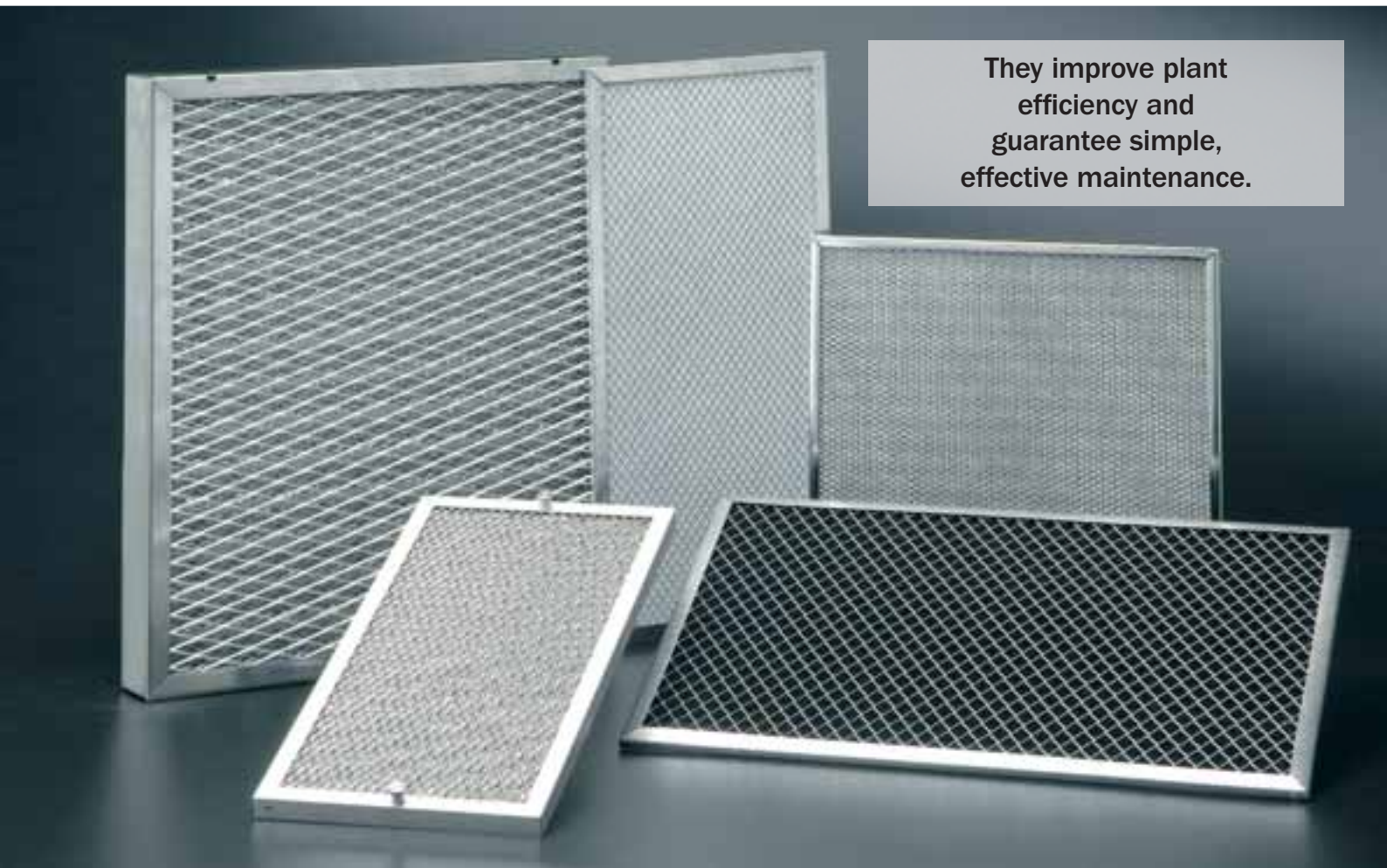
Folded-under edges for safe handling



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

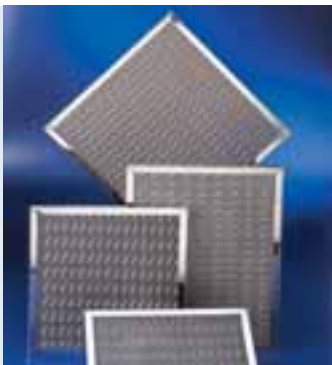


Finish details

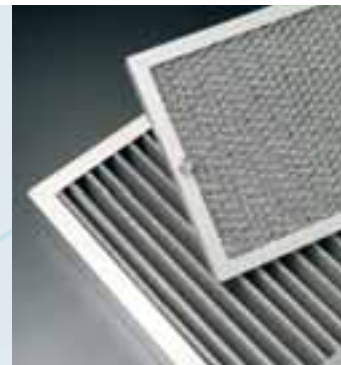


They improve plant
efficiency and
guarantee simple,
effective maintenance.

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 functionality

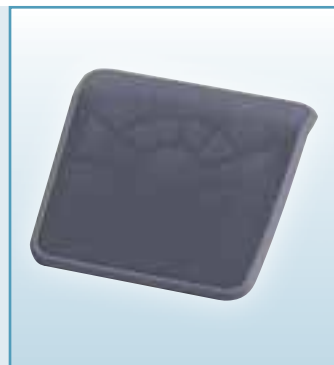


Expanded mesh is suitable for applications where the passage of sound waves needs to be guaranteed, e.g. protection for loudspeakers.

SOUND DIFFUSION



Special shapes for the automotive industry – Amplifier guards



Made-to-measure
sound-proofing panels
for noise reduction
cabs and dividing walls.

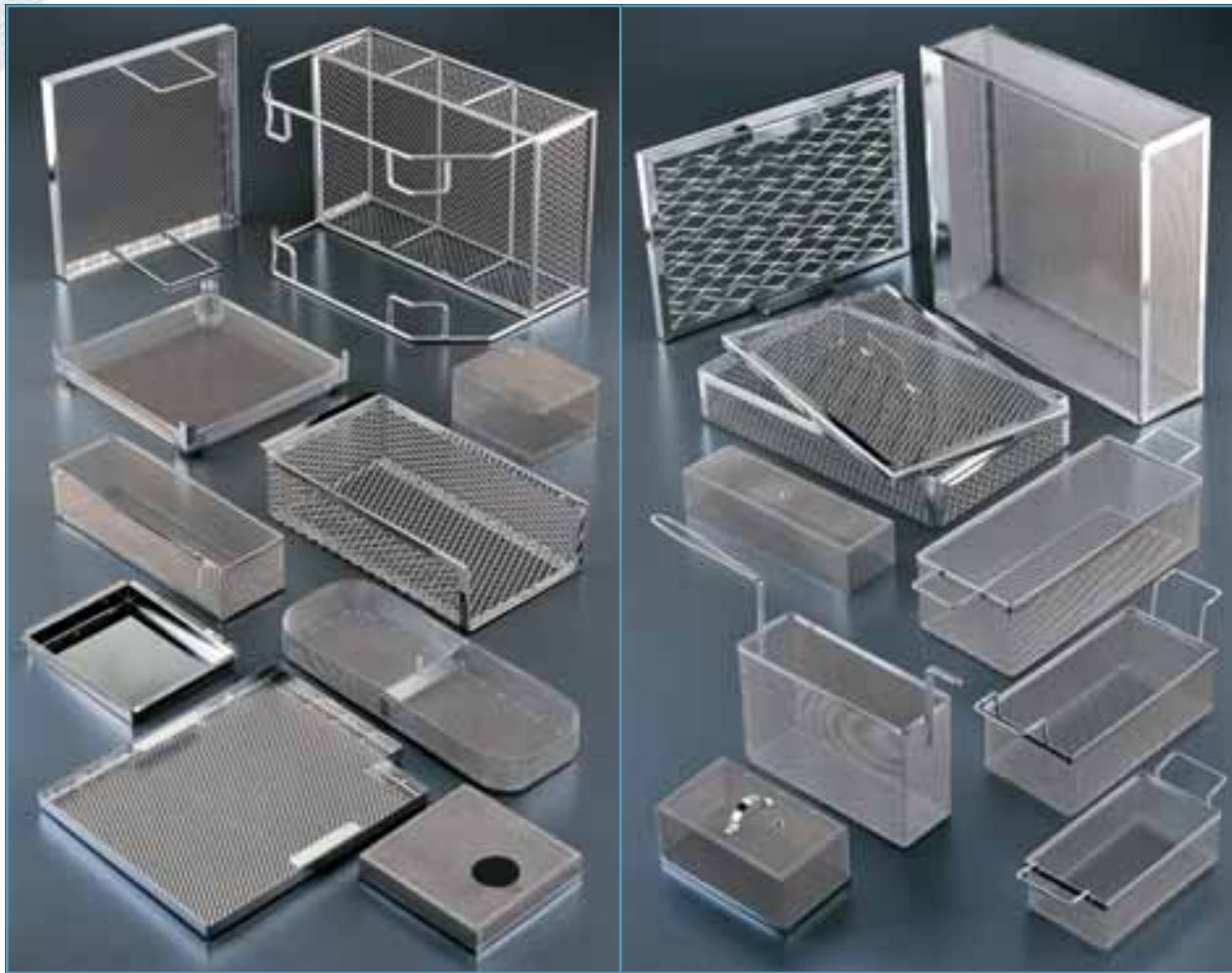


More accuracy

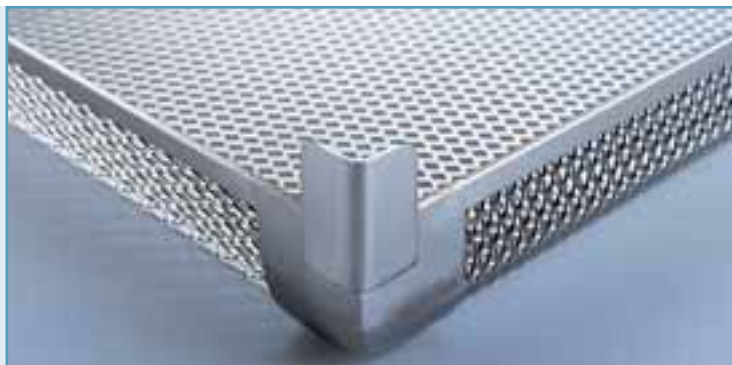


The specific expertise found in each Italfim division offers a sure guarantee of the quality of our workmanship and the precision of each and every order we deliver, **no matter how complex.**

LIGHTWEIGHT
STRUCTURAL STEEL



Multipurpose containers



Accurate details.



Cylindrical baskets

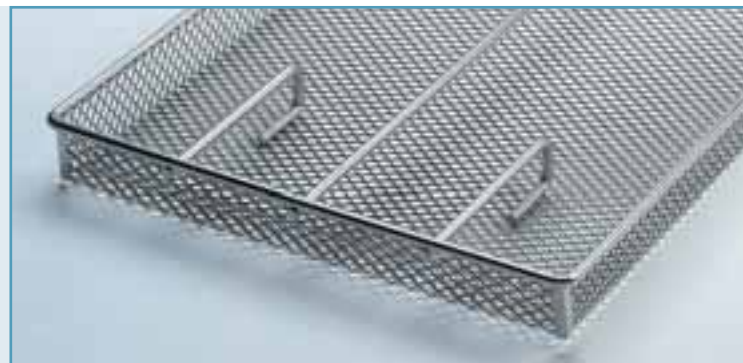


Special products, even in **small quantities.**

Baskets with special accessories



Application of completing accessories.

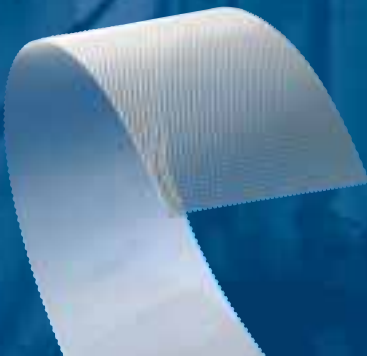
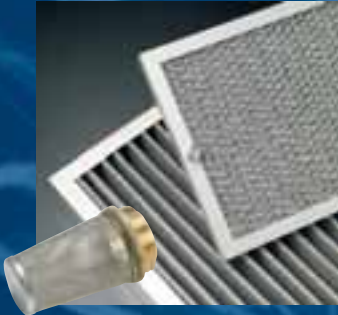




ITALFIM S.p.A.
Expanded micromesh and grating
 24066 PEDRENGO (Bergamo) Italy
 Via Tonale, 2 (ang. Via Crocette Zona Ind. 1)

Tel. 035 658 111
 Fax 035 656 050
 italfim@italfim.it - www.italfim.it

www.italfim.it



To know more
**Contact us for further info,
 documents and catalogues.**

**Our experts are
 at your full disposal.**



General Italfim Catalogue

Expanded mesh is the future!