

STAINLESS

PATTERNED FINISHES

ENDLESS DESIGN SOLUTIONS
INSPIRED BY NATURE



ACCIAI
SPECIALI
TERNI

ACCIAI SPECIALI TERNI

STAINLESS EXCELLENCE
SINCE 1884

INSPIRED
BY NATURE

Acciai Speciali Terni (AST) is one of the world's leading producers of stainless steel flat products and welded stainless steel tubes within a single integrated manufacturing site. Thanks to a global sales organization, we ensure dedicated solu-

tions for a variety of market sectors: automotive, consumer goods, industrial goods and architecture. We strive for excellence and innovation in products, processes and services to meet the requests of our customers, all over the world.

OVER
130
YEARS OF HISTORY



APPROX.
2.300
EMPLOYEES



1.500.000
SQM OF
PRODUCTION PLANTS



APPROX.
1.000.000
TONS OF STAINLESS STEEL
SHIPPED ALL OVER
THE WORLD PER YEAR





STAINLESS STEEL

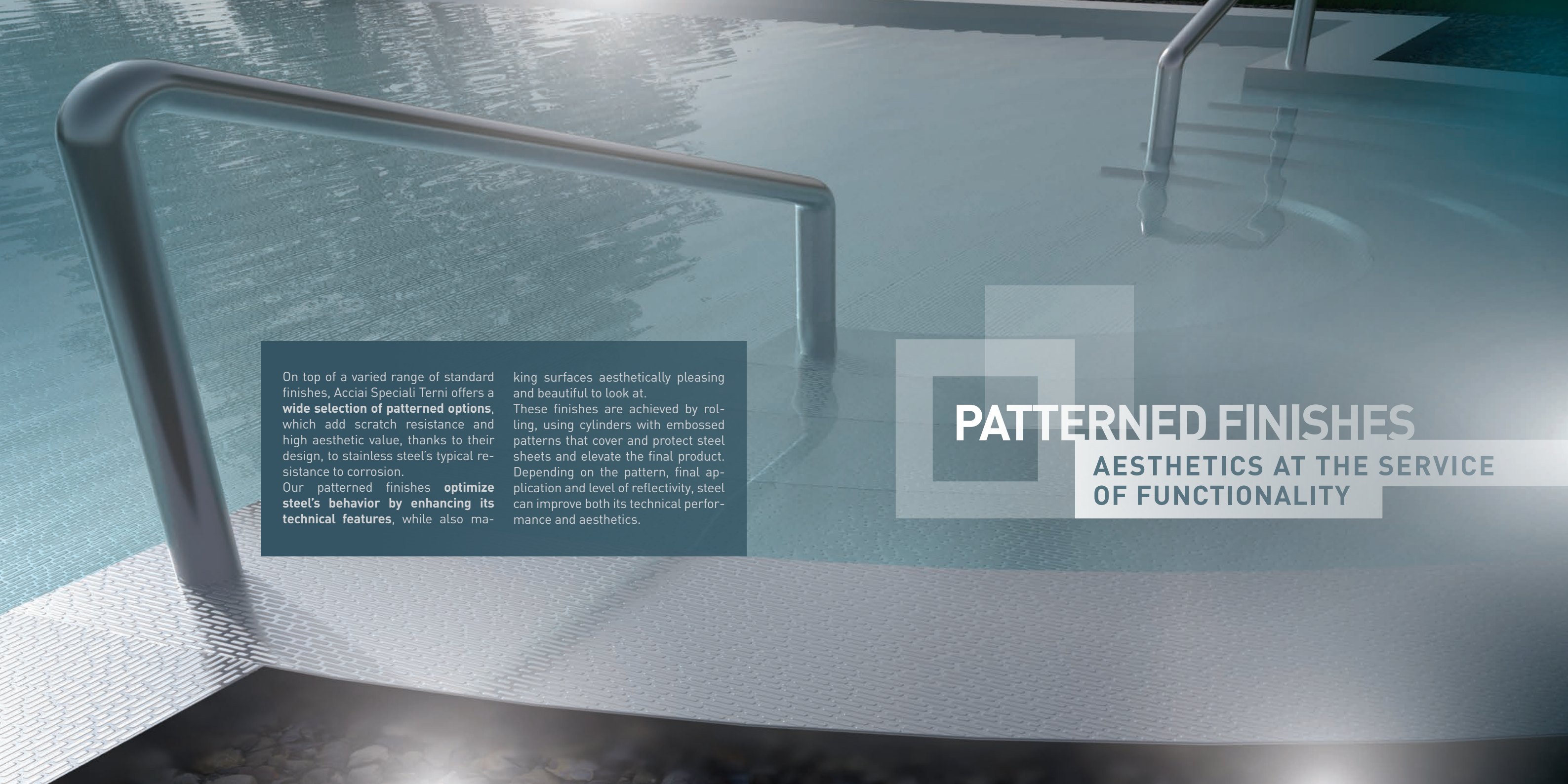
FOR A SUSTAINABLE
FUTURE

Conducting research for new materials and solutions is crucial to meet the challenges posed by environmental protection.

In this context, **stainless steel can be seen as the best option to guarantee sustainability**, because it is long lasting as well as **completely recyclable**. Stainless steel can be broken apart and melted again infinite times to generate new products, never losing any of the original properties. Its intrinsic characteristics make it a

formidable ally especially for **green architecture**.

Today, indeed, energy efficiency must be designed into new buildings since conception, picking the right materials to both elevate the project in all of its facets and minimize environmental impact. Stainless steel, with all the range of **patterned finishes**, can offer architecture **infinite aesthetic solutions, high scratch and corrosion resistance, and a potentially endless life cycle**.

A photograph of a swimming pool with a stainless steel handrail and a textured metal deck. The pool water is clear and reflects the surrounding environment. The handrail is made of polished stainless steel and is mounted on a deck with a diamond-shaped pattern. The background shows a clear blue sky and some greenery.

On top of a varied range of standard finishes, Acciai Speciali Terni offers a **wide selection of patterned options**, which add scratch resistance and high aesthetic value, thanks to their design, to stainless steel's typical resistance to corrosion. Our patterned finishes **optimize steel's behavior by enhancing its technical features**, while also ma-

king surfaces aesthetically pleasing and beautiful to look at. These finishes are achieved by rolling, using cylinders with embossed patterns that cover and protect steel sheets and elevate the final product. Depending on the pattern, final application and level of reflectivity, steel can improve both its technical performance and aesthetics.

PATTERNED FINISHES

AESTHETICS AT THE SERVICE OF FUNCTIONALITY

THE MANY BENEFITS OF A WINNING CHOICE

Acciai Speciali Terni's patterned finishes allow for a wide **variety of aesthetic solutions that also guarantee the high performance and versatility** required to meet the needs of different sectors in the market. There are **potentially infinite patterns and solutions** that can be developed and analyzed by our team of experts, in order to create the per-

fect finish for each client's needs. By combining high performance and appealing design, we can achieve anything from aesthetic solutions that offer architects and designers even more freedom for façades, elevators and interior decor with a unique style, to options that combine functionality and performance for industrial and work environments.



1. AESTHETICS AND DESIGN

Patterned finishes guarantee the perfect combination of high performance and appealing design. They bring their beauty and unique style to interiors and outdoors spaces, from architectural paneling to professional and home kitchens.



2. SCRATCH RESISTANCE

Patterned surfaces prevent and hide scratches, and therefore are recommended for high-traffic areas and for any environment where surfaces are likely to be bumped into and scratched.



3. DIFFERENT LEVELS OF REFLECTIVITY

To satisfy its clients' specific needs, Acciai Speciali Terni offers patterned finishes in different levels of reflectivity: Bright with a shiny final look, or Matt with reduced shine.

For the construction field in particular, Matt patterned finishes are suitable in any situation where brightness needs to be controlled to create more welcoming and comfortable spaces.



4. ANTI-SLIP

Patterned finishes also fulfill an important anti-slip function, contributing to the safety of the people who live and work in the environments where they are used.



5. CORROSION RESISTANCE

Stainless steel is extremely durable thanks to its well known resistance to corrosion – which minimizes maintenance to simple routine cleaning.

PATTERNED FINISHES, LIKE ALL STAINLESS STEEL IS :

- 100% recyclable
- compliant with RoHS Directives
- suitable for contact with food
- certified according to EN 10204 / 3.1

PATTERNED FINISHES

A HIGH VALUE
ADDED RANGE



Linen



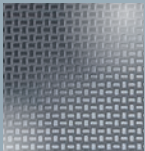
Elephant skin



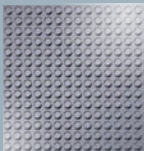
Diamond



Square



Haze



Microcircle

Our Brick and Microchecker finishes, developed exclusively to meet the specific needs of two of our clients, are an example of the research and development our team of experts carries out to offer unique and outstanding tailor-made solutions.



Brick



Microchecker

REFLECTIVITY	BASE	THICKNESS mm	WIDTH mm	SHEETS LENGTH mm	GRADES***
Bright 	BA	0,5 ÷ 0,59	500 ÷ 1250	500 - 4000	304 (1.4301/1.4307)
		0,6 ÷ 1,5*	500 ÷ 1500		316L (1.4404)
		1,51 ÷ 2*	500 ÷ 1250		
Matt 	2B	0,5 ÷ 0,59	500 ÷ 1250	500 - 4000	430 (1.4016)
		0,6 ÷ 1,5*	500 ÷ 1500		441(1.4509)
		1,51 ÷ 2*	500 ÷ 1250		
		2,01 ÷ 3**	500 ÷ 1500		470LI (1.4613)

* Thicknesses between 1.5 - 2 mm are available only for austenitic grades.

** Available only in the work-hardened version.

*** Typical ferritic and austenitic grades. Other grades available upon request.

LINEN

UNITY IS
STRENGTH

As with other steel finishes, Linen pattern has a descriptive name: its design is inspired by the fabric's texture. On top of steel's typical quality and durability, this finish offers an exceptional aesthetic value that has contributed to its success on the market. It is the ideal choice for any indoor or outdoor architectural applications, and for any situation in which the final application's beauty is a priority.



AESTHETICS AND DESIGN



SCRATCH RESISTANCE



REFLECTIVITY LEVELS

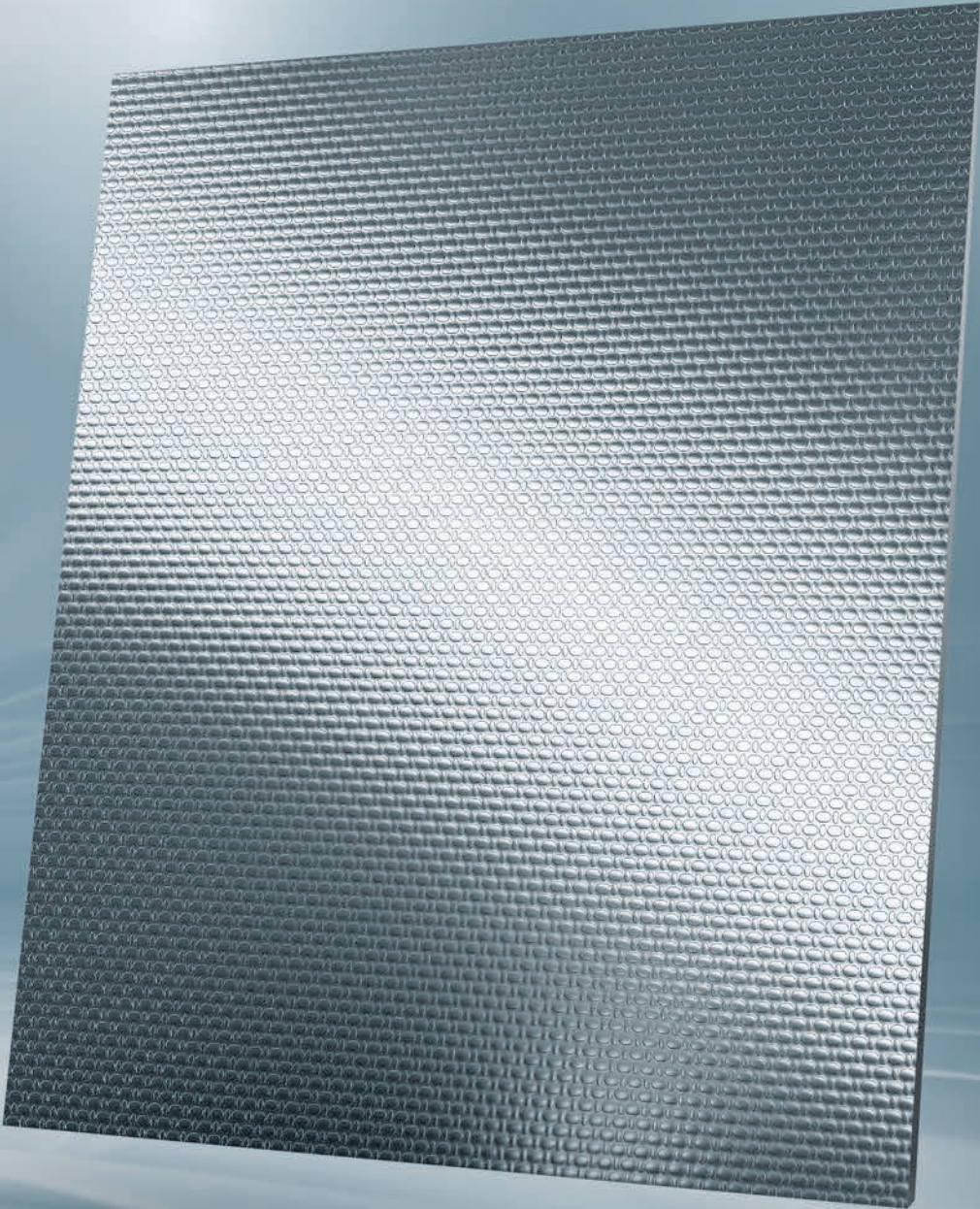
- Bright
- Matt

MAIN GRADES *

304 - 316L - 430 - 441 - 470LI

MAIN APPLICATIONS

- Architecture: paneling, façades, elevators
- Home appliances: sinks, hobs
- Professional kitchens: countertops



* Typical ferritic and austenitic grades. Other grades available upon request.

ELEPHANT SKIN

EVERLASTING ELEGANCE

This elegant finish, inspired by elephant skin, offers high aesthetic value thanks to its special texture, which adds warmth to any surface where it is applied. Often used for elevators' inner paneling, it stands out for its excellent resistance to fingerprints, scratches and superficial damage.



AESTHETICS AND DESIGN



SCRATCH RESISTANCE



REFLECTIVITY LEVELS

- Bright
- Matt

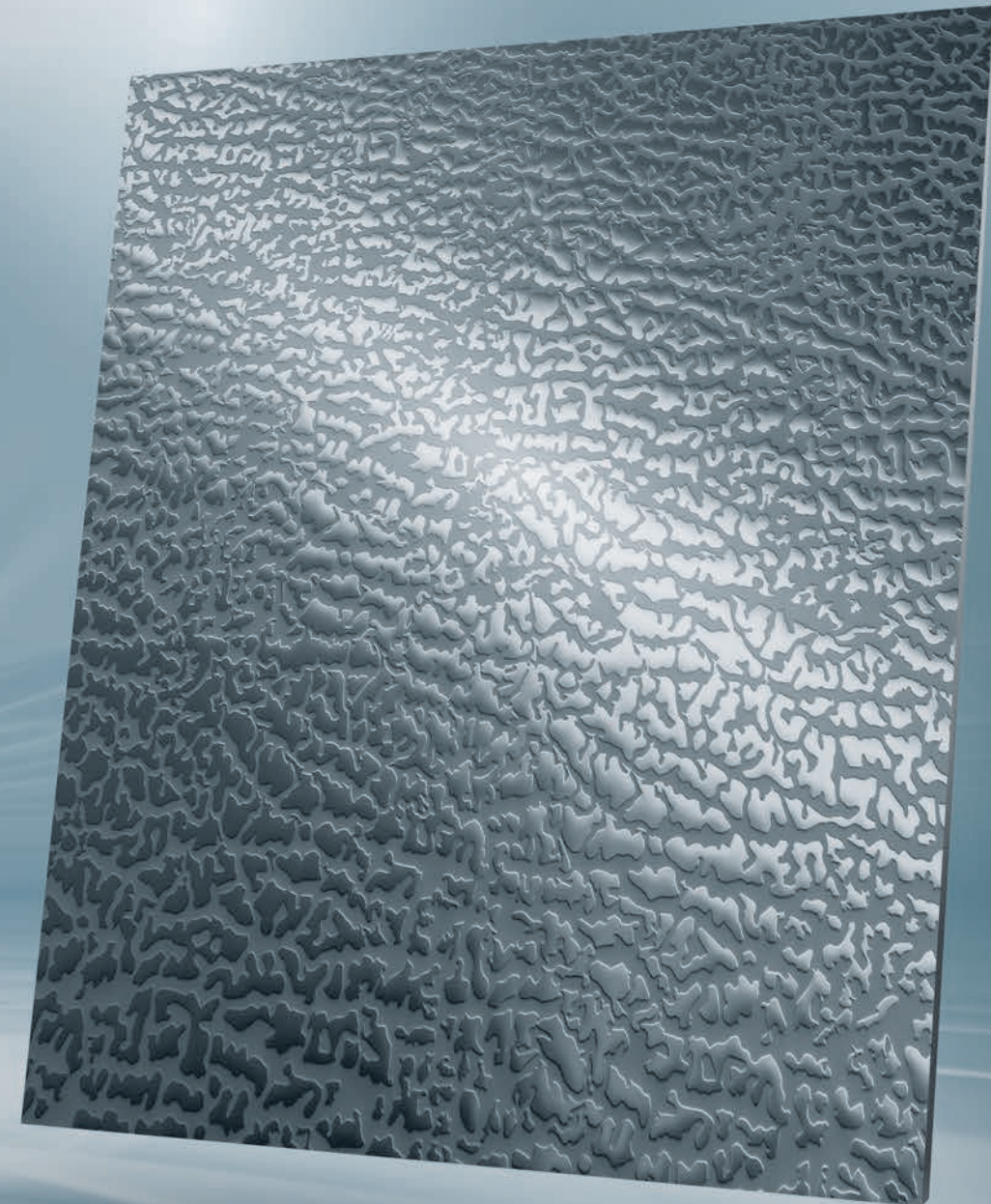
MAIN GRADES *

304 - 316L - 430 - 441 - 470LI

MAIN APPLICATIONS

- Elevators
- Decorative paneling

* Typical ferritic and austenitic grades. Other grades available upon request.



DIAMOND

BEAUTY IS ALL
ABOUT GEOMETRY

The Diamond finish features a geometrical pattern for a design that is balanced yet vibrant. Its high aesthetic value often makes it the best choice for interior design and for any details or inserts that can elevate the look of a project.



AESTHETICS AND DESIGN



SCRATCH RESISTANCE



REFLECTIVITY LEVELS

- Bright
- Matt

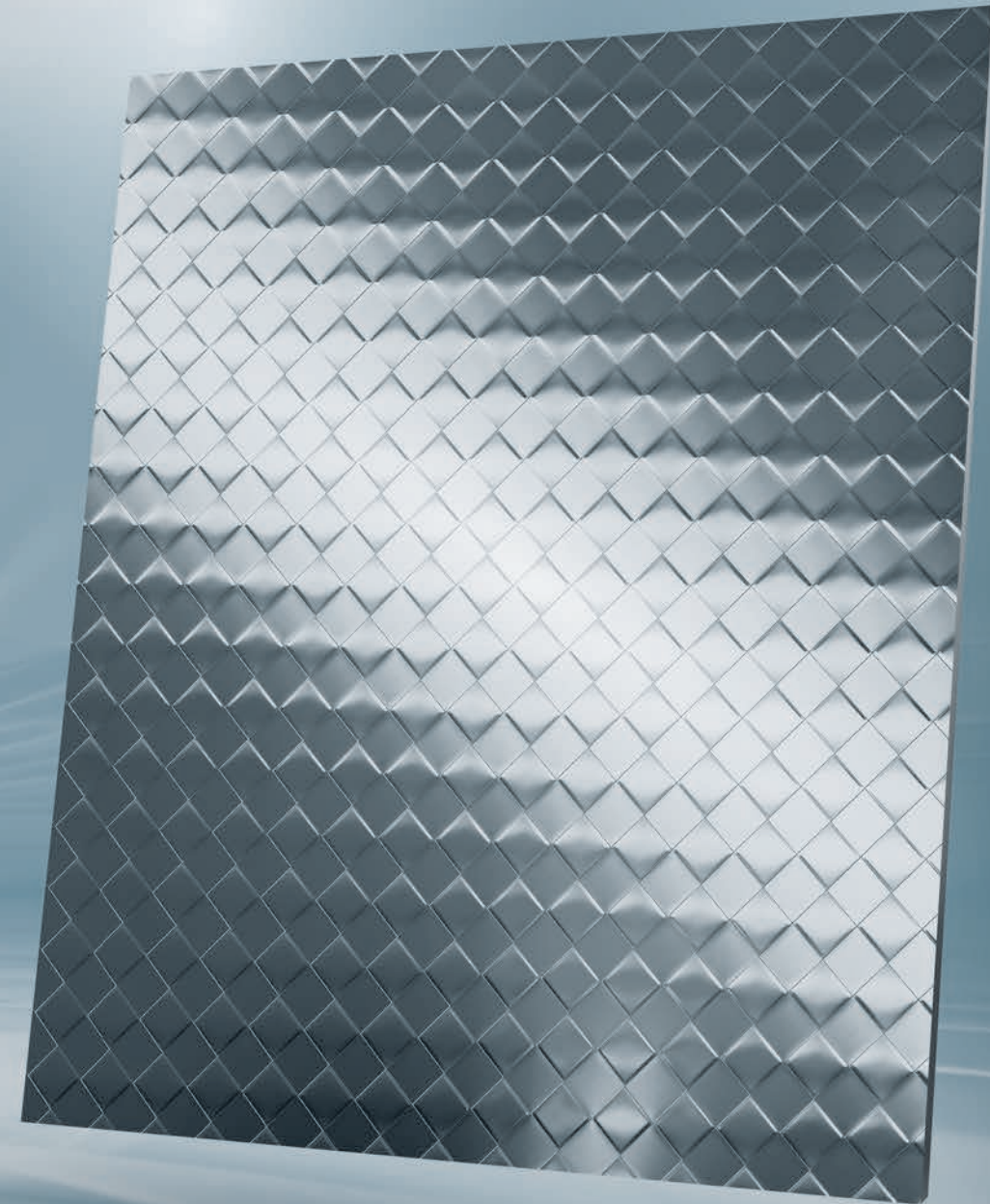
MAIN GRADES *

304 - 316L - 430 - 441 - 470LI

MAIN APPLICATIONS

- Architecture: paneling, façades, elevators
- Home appliances: ovens

* Typical ferritic and austenitic grades. Other grades available upon request.



SQUARE

AS PERFECT AS
A SQUARE

The minimalistic and refined square pattern is a particularly fitting option to embellish interior design elements. Its geometric pattern adds great impact to the look of any surface, especially in its high-reflectivity version. Its high aesthetic value makes it perfect for any situation where particular care for details is required.



AESTHETICS AND DESIGN



SCRATCH RESISTANCE



REFLECTIVITY LEVELS

- Bright
- Matt

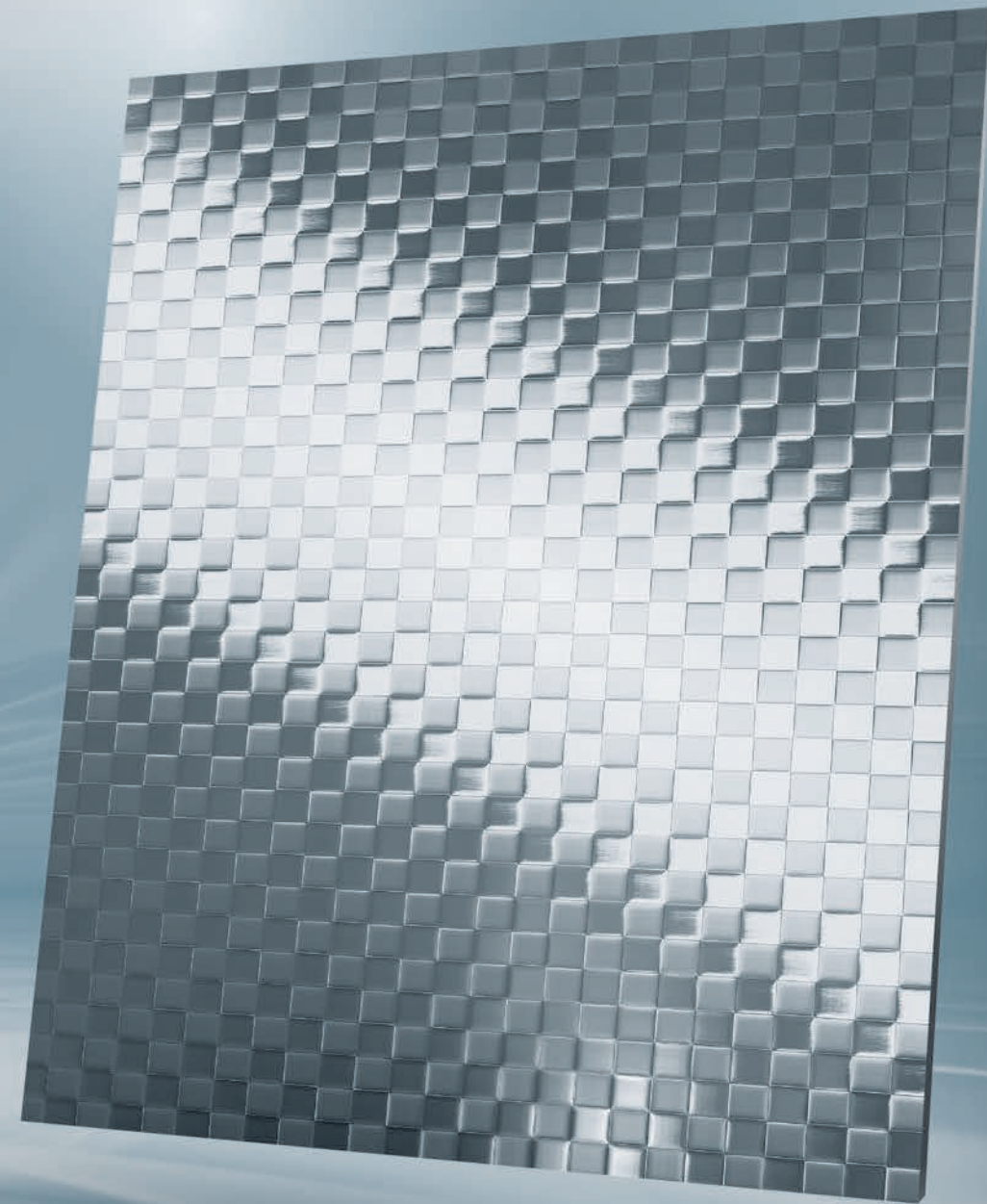
MAIN GRADES *

304 - 316L - 430 - 441 - 470LI

MAIN APPLICATIONS

- Architecture: paneling, façades, elevators
- Home appliances: ovens

* Typical ferritic and austenitic grades. Other grades available upon request.



HAZE

LIGHT IS BORN FROM THE HAZE

This finish is named after its close-knit texture, which is smaller than Linen pattern and resembles fog. Matt and non-reflective, Haze stands out mainly for its versatility and can be used in any kind of application. Furthermore, as a micro-patterned finish, it offers enhanced ease of cleaning compared to standard patterned finishes.



AESTHETICS AND DESIGN



SCRATCH RESISTANCE



REFLECTIVITY LEVELS

- Bright
- Matt

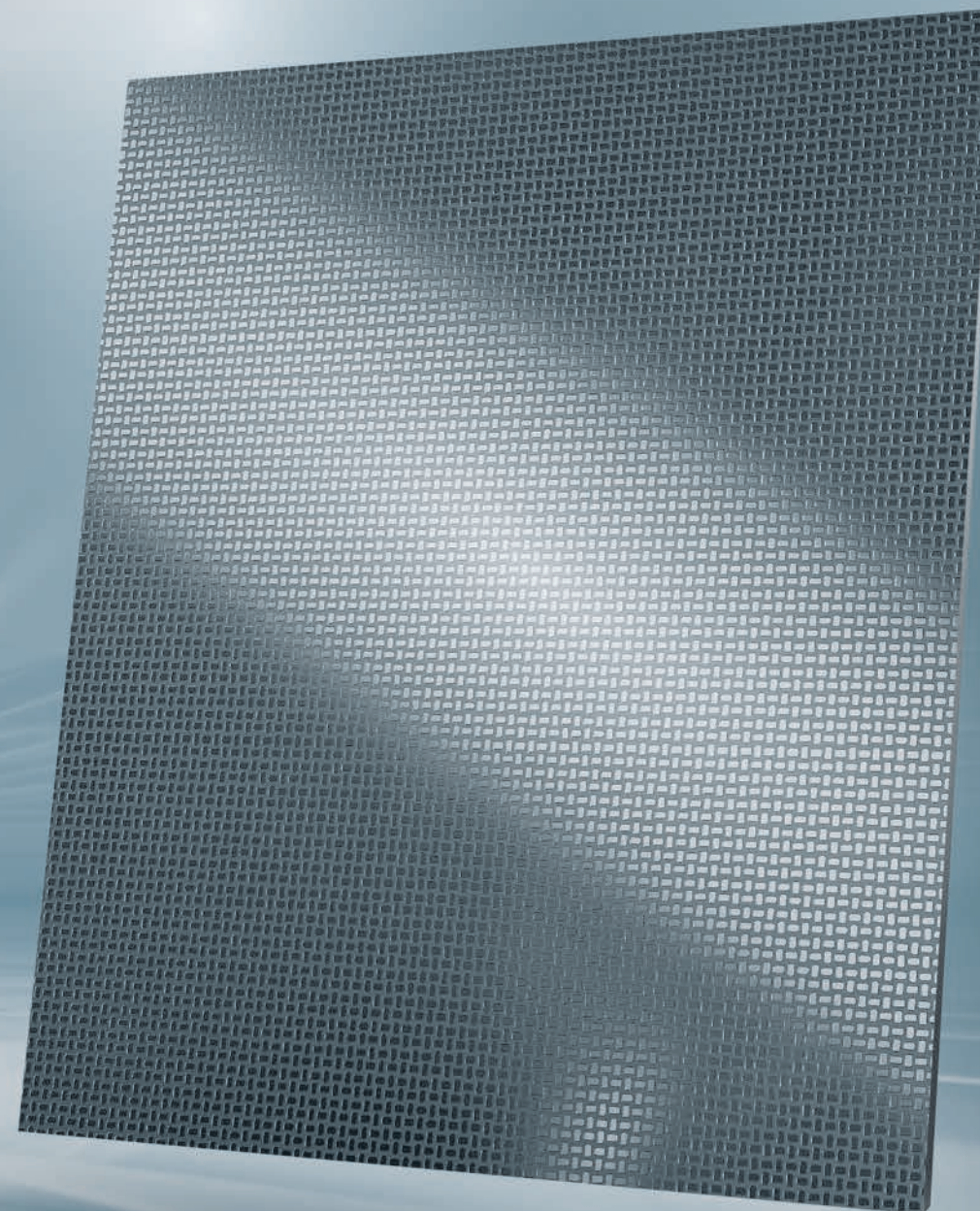
MAIN GRADES *

304 - 316L - 430 - 441 - 470LI

MAIN APPLICATIONS

- Architecture: façades, elevators, decorative paneling
- Home appliances: sinks, hobs
- Professional kitchens: countertops

* Typical ferritic and austenitic grades. Other grades available upon request.



MICROCIRCLE

CLOSE THE CIRCLE OF
EXCELLENCE

As a micro-patterned finish, Microcircle features a close-knit texture that guarantees a more refined and elegant look. Its pattern presents an infinite geometrical sequence of circles, and its aesthetic quality, corrosion resistance and cleanability make it particularly suitable for the home appliance sector, and especially for sinks.



AESTHETICS AND DESIGN



SCRATCH RESISTANCE



REFLECTIVITY LEVELS

- Bright
- Matt

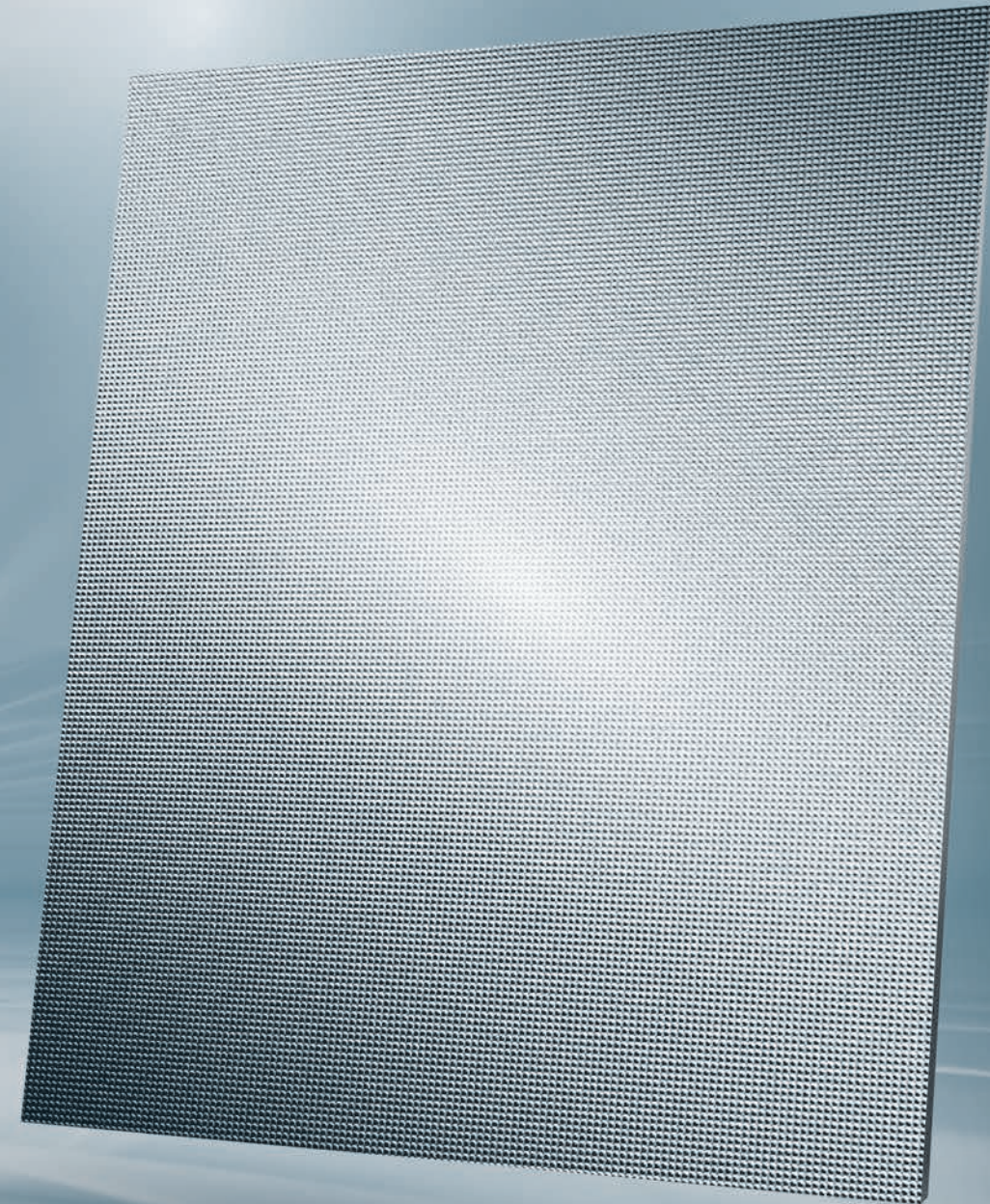
MAIN GRADES *

304 - 316L - 430 - 441 - 470LI

MAIN APPLICATIONS

- Home appliances: sinks, hobs

* Typical ferritic and austenitic grades. Other grades available upon request.



BRICK

FORWARDING PERFECTION,
BRICK BY BRICK

The Brick finish emulates the look of a brick wall. Its most peculiar feature is its anti-slip property, which paired with a pleasant aesthetic makes it particularly well suited for stainless steel components in swimming pools, where safety and style must be equally ensured.



AESTHETICS AND DESIGN



SCRATCH RESISTANCE



ANTI-SLIP PROPERTIES



REFLECTIVITY LEVELS

- Bright
- Matt

MAIN GRADES *

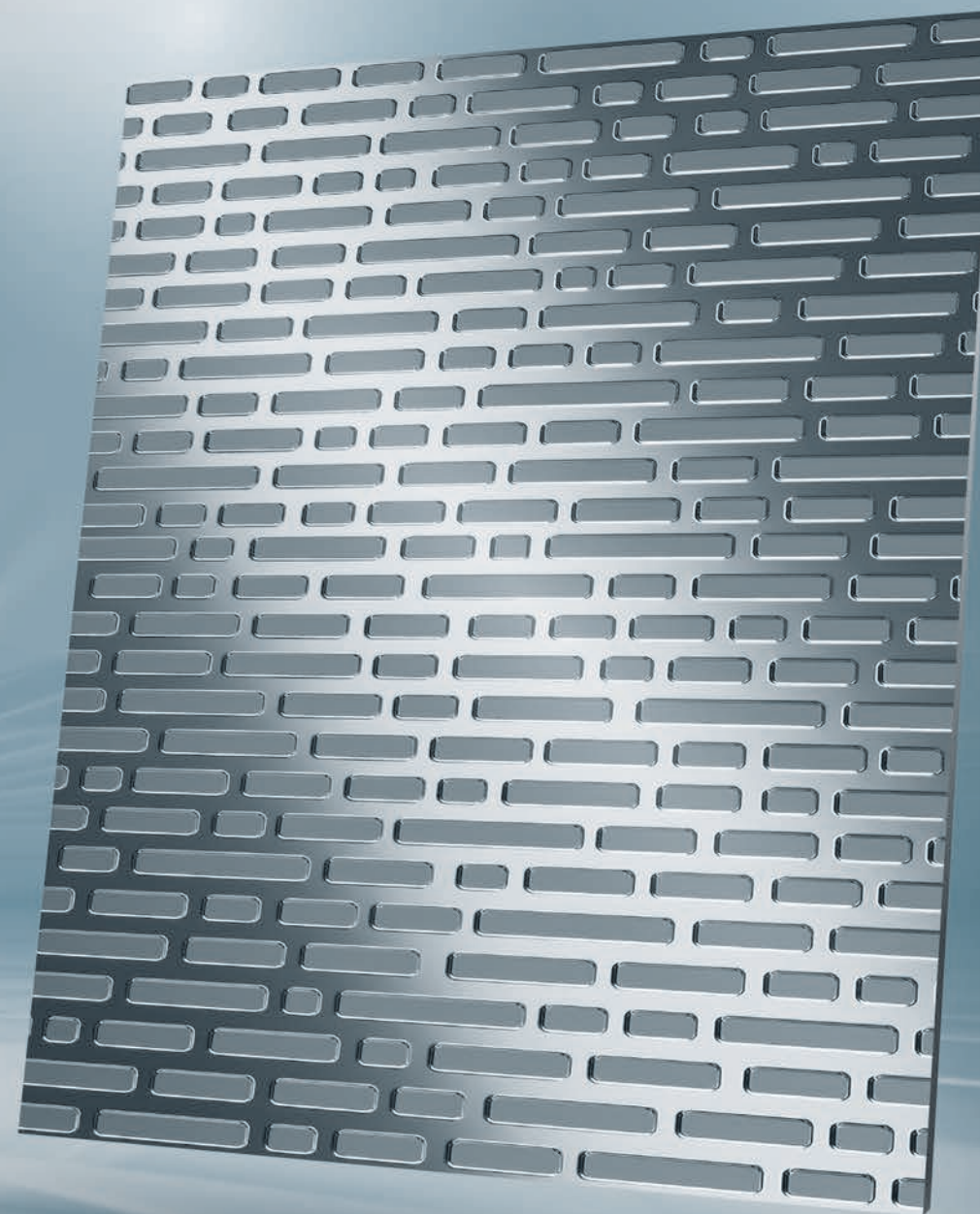
304 - 316L - 430 - 441 - 470LI

MAIN APPLICATIONS

- Swimming pool outer walls

Our Brick finish, **developed exclusively to meet the specific needs of one of our clients**, is an example of the research and development our team of experts carries out **to offer unique and outstanding tailor-made solutions**.

* Typical ferritic and austenitic grades. Other grades available upon request.



MICROCHECKER

SAFETY
ABOVE ALL

The Microchecker finish looks similar to floor plates finish, but it is achieved by cold patterning and therefore offers a smaller and more aesthetically refined texture than the traditional option. Its use is particularly suited for floorings, in walkable areas and in any situation where surfaces need to be made less slippery because they are smooth or made potentially dangerous by external contamination. The pattern is minimalistic yet highly efficient, easy to clean and with a high friction coefficient.



AESTHETICS AND DESIGN



SCRATCH RESISTANCE



ANTI-SLIP PROPERTIES



REFLECTIVITY LEVELS

- Bright
- Matt

MAIN GRADES *

304 - 316L - 430 - 441 - 470LI

MAIN APPLICATIONS

- Floors
- Car platforms

Our Microchecker finish, **developed exclusively to meet the specific needs of one of our clients**, is an example of the research and development our team of experts carries out **to offer unique and outstanding tailor-made solutions**.

* Typical ferritic and austenitic grades. Other grades available upon request.

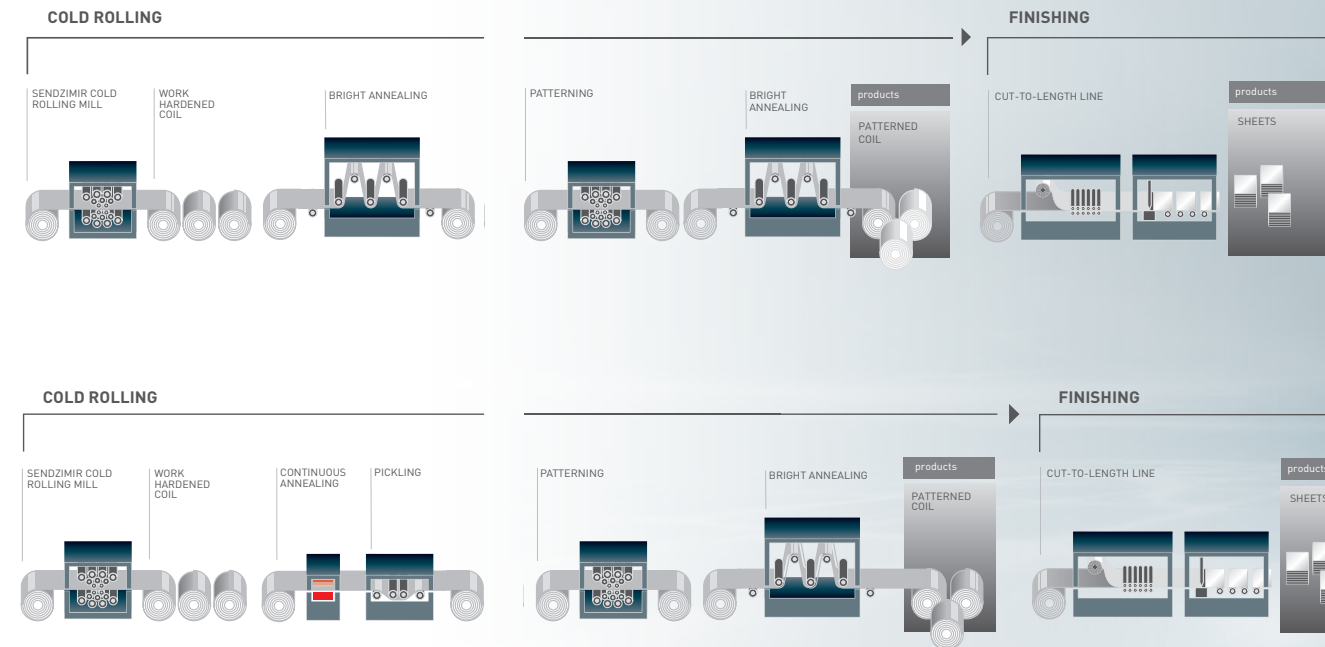


MANUFACTURING PROCESS

A COMPLETELY INTEGRATED PRODUCTION PLANT: DIFFERENT PATHS FOR DIFFERENT LEVELS OF REFLECTIVITY

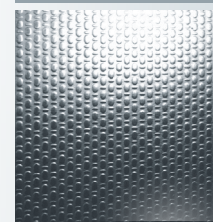
Our clients can count on the utmost efficiency in manufacturing because we have a **fully integrated production process**. Every phase is carried out at our factory in Terni, from melting shop to superficial processing at the Finish Center. This allows us to offer **tailor-made solutions for each and every client's complete satisfaction**.

Patterned and micro-patterned finishes are achieved by using special cylinders during cold rolling. Depending on the desired level of reflectivity, patterned finishes are embossed at different moments during the process: shine has a remarkable impact on the product's final look. Bright annealing is used to achieve shiny surfaces that reflect light in a more specular way for a brighter final effect, while continuous annealing is used to achieve surfaces that diffuse light, for more muted and warm solutions (Matt finish).



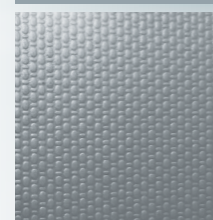
REFLECTIVITY

BRIGHT



REFLECTIVITY

MATT*



* Matt reflectivity can also be achieved without the final bright annealing to achieve a hardened matt finish.



RESEARCH

AND DEVELOPMENT

TAILOR-MADE PATTERNS TO MEET ALL YOUR NEEDS.

We offer much more than the decorated finishes showcased in our catalog: **we could potentially create infinite patterns and designs.**

Acciai Speciali Terni offers its clients a team of researchers, salespeople and specialized engineers who are able to provide **increasingly custom solutions, depending on specific requirements.** We lead our clients

through every step of the assessment, testing and selection phases so they can find the best solution in their particular case. Each project is carried out by delivering innovative and unique decorations: textures, technical and aesthetic features, ideal reflectivity and shine levels are combined to meet every possible specific need.

A background image showing a business meeting with several people in suits sitting around a table, looking at documents and charts. The image is slightly blurred and has a blue tint.

CLOSE TO OUR CUSTOMER

IN EVERY PHASE

HIGH-QUALITY MARKETING PRE-SALES AND POST-SALES SERVICES

We work hard to **guarantee our clients maximum-quality technical assistance services and constant support** in every phase of the project. Our team of experts and engineers offers in-depth information about each product, runs application tests, advises on the best product or finish to choose depending on individual needs, and delivers samples of the selected products.

Furthermore, we provide advanced technical support with a team at our clients' disposal, to guarantee the full efficiency of our products and solutions all the way to the final delivery phase.

FROM DESIGN TO DELIVERY, OUR SERVICE IS ALWAYS TAILOR-MADE

Our network of support and sales centers all over the world allows us to be **close to each and every client, guaranteeing top efficiency in every phase of the process.**

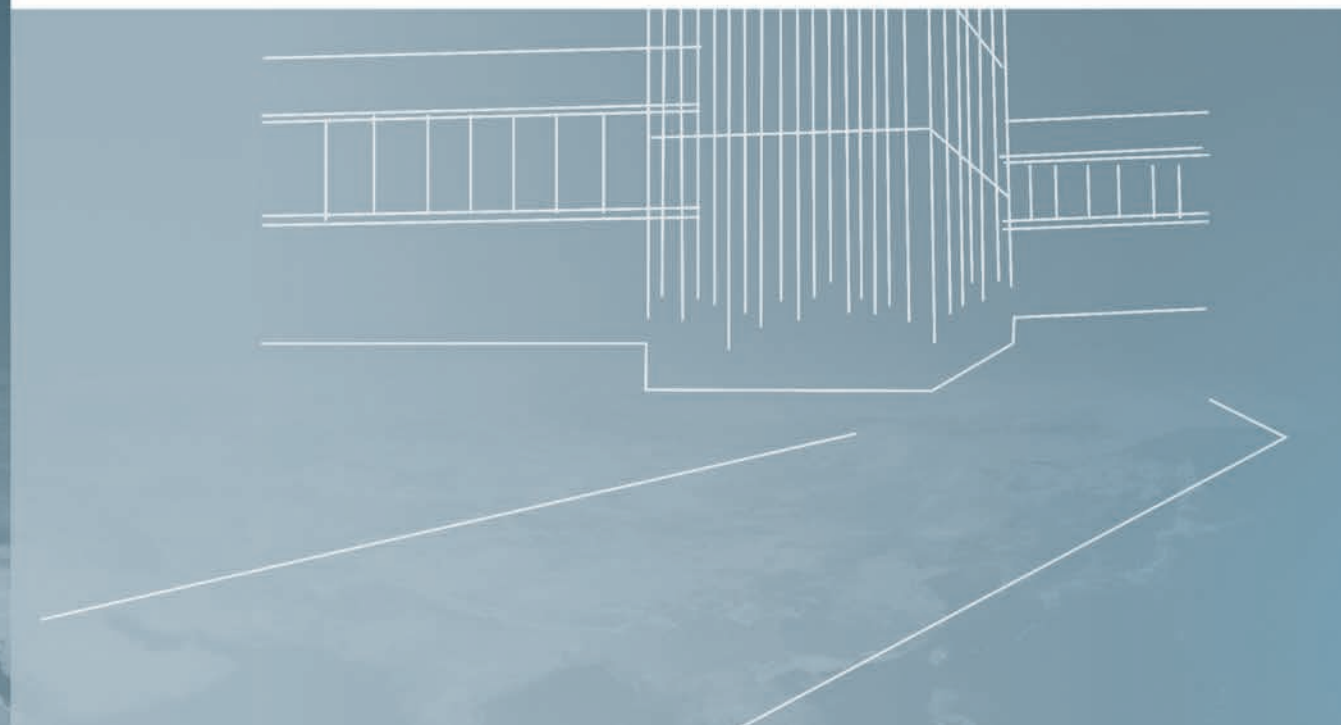
With our global presence, innovative IT system, and organized and effective logistics, we are able to satisfy any request quickly and on time, extending our high-quality approach to delivery times.



INSPIRED
BY **NATURE**



Scannerizza il QR code con il tuo telefono per vedere l'evento dedicato alle finiture decorate di Acciai Speciali Terni.





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