



TURNING NATURE INTO TECHNOLOGY



PROUDLY MADE IN ITALY



TURNING NATURE INTO TECHNOLOGY



**PROUDLY MADE IN ITALY**

# WE ARE

## Decoral® System

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The only company in the world that produces in-house all the materials required for the sublimation process, from coating powders and heat-transfer films to decoration plants.

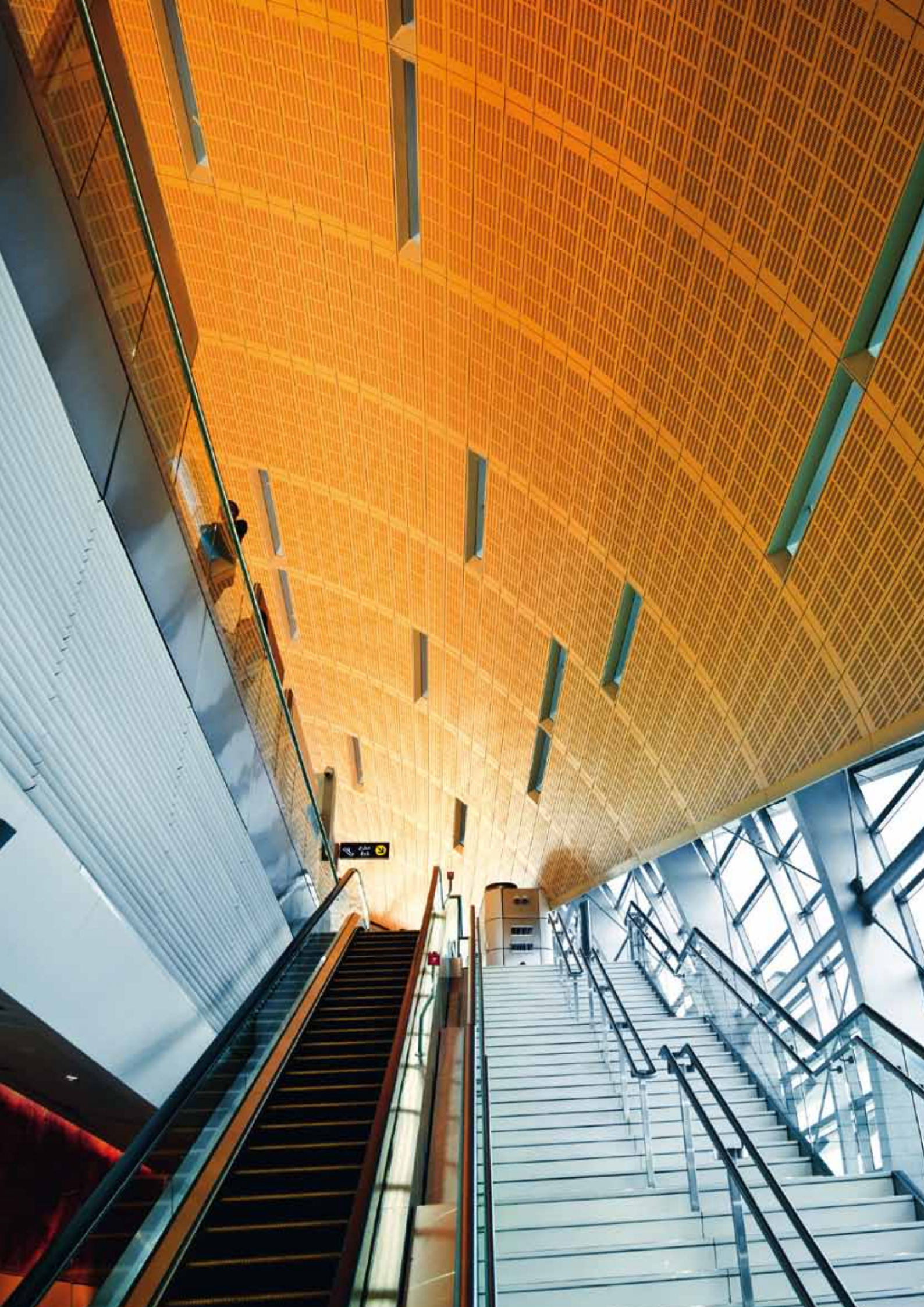
We have been **pioneers in the field of wood effect**, the first to believe in the fundamental role of **aluminium for protecting forest resources**. This is why our Decoral® technology was patented in 1995.

With our experience, know-how and full production cycle, we provide a wide range of products that guarantee maximum results according to customers' needs.

More and more performing raw materials manufactured in our factories together with the advanced R&D department **Decoral® Lab** have led to **the best finishes in the market** for more than 25 years, **guaranteed and certified by actual tests**.













# OUR HISTORY

**F**ounded in 1974, at the present day the Group includes **16 companies**, with the objective of **increasing the quality of aluminium** surface finishes.

Our story began with **anodization; powder coating** was introduced only in a later stage. In Autumn 1993, we started **researches and experiments on processing coated aluminium surfaces by heat-transfer technology**.

The outstanding results of our technical staff took, in **1995**, to the **patent Decoral® System**, aimed at **faithfully reproducing** special finishes such as **wood, marble and granite** on aluminium profiles and laminates.

In **1998** Decoral® Group won the **Innovation Award** for the patented system for aluminium decoration and in **2000** we started to **test** samples of our **finishes** in **Florida (USA)**.

Then, in **2006**, we founded **Decoral® America**, a new subsidiary which confirms the overall success achieved in Italy.

**Decoral®** was awarded for the **contribution to environmental sustainability** in 2007, when we received the **Merli Prize** (Italian Association of Seas and Sailors) for the commitment to the protection of forest resources, thanks to wood effect technology on aluminium.

In **2012**, after about forty years of studies on aluminium decoration, we created **QualityDecoral®**: a self-certification with the purpose of making up for the lack of serious and reliable tests in the industry, proving that our finishes (obtained by combining Decoral® System coating powder with Decoral® System heat-transfer film) are **highly-resistant** to weathering.

Nowadays **Decoral®** is a benchmark in metal decoration industry, providing high-technology plants together with raw materials and offering coating and decoration bespoke services.



### PRODUCTION CAPACITY

**OVER 250 TONS/DAY** | ALUMINIUM TREATMENT

**OVER 21 TONS/DAY** | COATING POWDER

**OVER 190.000 SQM /DAY** | HEAT-TRANSFER FILM

## PROUD TO BE DECORAL® GROUP **A GLOBAL PRESENCE**

With more than 700 plants around the world

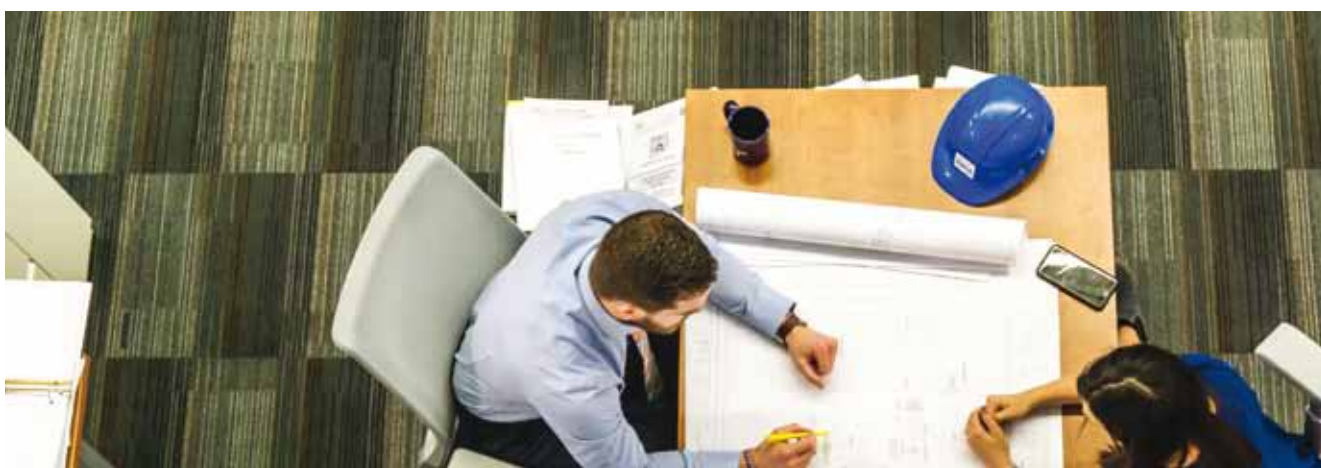
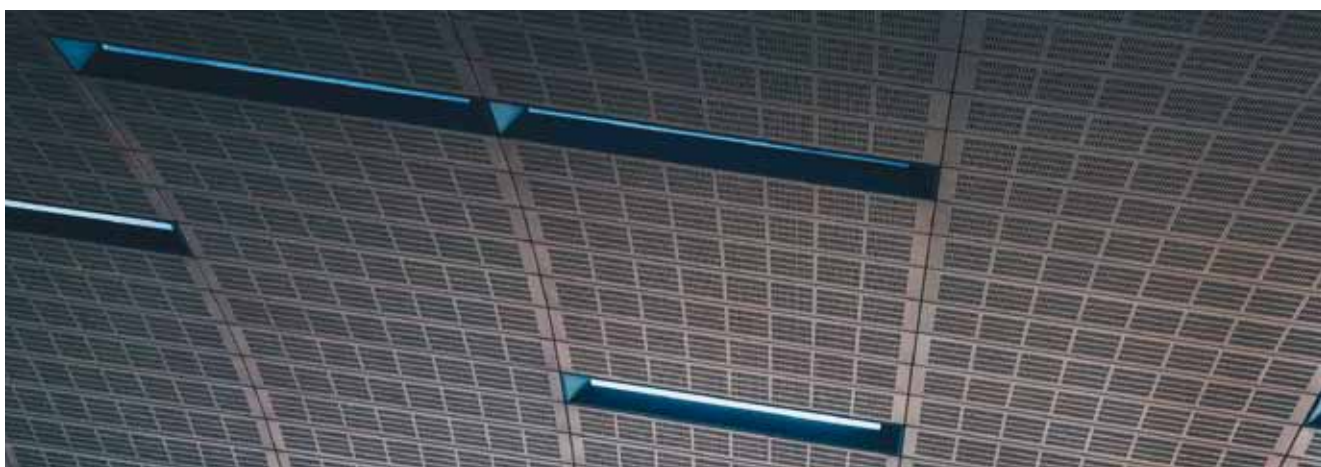




**C**onnections are our success. We believe in human resources and face-to-face interactions. This is the reason why we have a **widespread sales network around the world**, thus ensuring maximum availability worldwide to all customers who want to discover our products. We give, indeed, the possibility to directly see our raw materials, their application and plants and offer a **high level of customization** to meet any requirement.

Moreover, our area managers establish and maintain a **constant relationship** with clients, providing a reliable, simple and efficient technical support.

The **continuous and direct after-sales service** is the last part of our mission, oriented towards collaboration, transparency and professionalism.



# CORE VALUES

Passion for innovation

## PROFESSIONALISM

The passion for our work, always oriented towards innovation, let us grow and develop technologically advanced systems and brand new products, thus achieving important goals, as proved by more than forty patents, awards and international certifications which we also issue to our partners and customers.

## FLEXIBILITY

Decoral® process can be applied to all coated materials which can stand a temperature of 200°C without deformation and to different kind of objects like profiles, sheets, embossed panels and 3D objects. There are endless application possibilities, including any field where surface finishes proposed by the market give free rein to imagination: building, doors and windows, transports, lighting, tools, toys, household appliances and furniture.

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## TRAINING

For more than twenty years, Decoral® Group has been a benchmark for decoration plants design and installation, know-how, personnel training and supply of high-quality raw materials.





# ..... **MATTER AND INNOVATION** .....

What is behind the extraordinary process



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## COATING POWDER

A combination of touch and technology. Decoral® System coating powders are created by experienced technicians who love colours and everyday commit themselves to developing unique products, both from an aesthetic as well as an ecological point of view.



## HEAT TRANSFER FILM

Professionalism is our leading principle for the production and printing of high quality films, used to transfer the desired pattern on aluminium or other metal surfaces.



## SUBLIMATION PLANT

Success is the result of vision, planning and ability to adapt to the ever-changing environment. This is the reason why we produce high-tech machineries Made in Italy which ensure effective, satisfactory and top-quality results.



## POLYMER

Decoral® goes beyond its limits and opens the doors to polymers, conceived as a product suitable for various purposes and available in countless shapes, colours, dimensions and 100% recyclable.

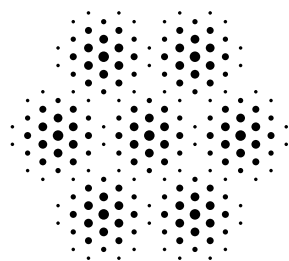


## DECORAL® LAB

Decoral® System R&D centre, the core of our Group, has technologically advanced instruments, used by our technicians to carry out accurate tests in accordance with international standards, thus ensuring the highest possible quality.







## matter, colour, technology

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The sublimation process, distinctive of Decoral® finishes, consists of applying a layer of our sublimation powders Qualicoat approved (they are also compliant with all the main international quality labels) and then transferring a pattern on the same surface from a film printed with sublimation inks.

*The final product can be suitable for outdoor use and is certified by Qualideco.*

*Decoral® powders regularly undergo **severe and selective controls** by qualified technicians in order to ensure reproducibility and consistent quality. These are the key features of products obtained through the internationally certified Decoral® process.*

The production of our powders and inks as well as the printing of patterns on sublimation films are all made in our factories: with Decoral® System coating powders and heat-transfer films it is possible to achieve outstanding results in terms of performance and durability, resistance to UV rays, corrosion and abrasion.

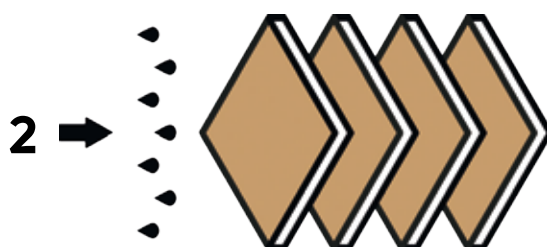
# DECORAL® PROCESS

..... How does it work? .....



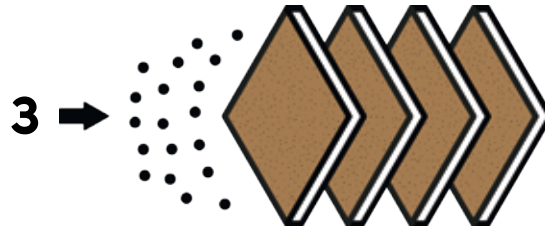
## METAL SUBSTRATE

The process can be applied on countless objects used in the most varied sectors. Every type of material can be decorated, the only requirement being that it can be powder coated and it is compatible with sublimation inks.



## PRE-TREATMENT

Pre-treatment is aimed at protecting the metal surface, making it resistant to corrosion and weathering. It is a necessary stage for preparing the metal substrate before powder coating.



## POWDER COATING

Thermosetting powders are applied on the pre-treated metal support with electrostatic devices (OFB disks, manual and automatic spray guns). They are totally free of solvents and heavy metals and they are made of polyester or polyurethane resins.

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## DECORATION

The object, to be decorated through Decoral® process, is wrapped with sublimation film. Inside special ovens running at high temperatures, inks are transferred by sublimation into the coating layer, thus decorating the surface. At the end of the process, the film is easily removed and the object is ready for the final treatment.





# COATING POWDER

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## Manufacturing division

**A**fter pre-treatment, **Decoral®** coating powders can guarantee an excellent **protection** of aluminium **from corrosion** due to chemical and atmospheric agents.

All **Decoral®** powders are subject, on a regular basis, to a series of **very severe and selective controls**, carried out by qualified technicians, in this way achieving the **approval of national and international organizations** (**Qualicoat, AAMA, GSB, etc.**) and ensuring reproducibility as well as **constant quality**.

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*Decoral®, thanks to innovative raw materials, provides a wide range of decorative effects with different technical specifications: smooth, textured, glossy, matt, high-resistance, anti-graffiti, polyester, polyurethane, with mirror or glitter effects, bendable, photo luminescent, antimicrobial and for special decorative use.*



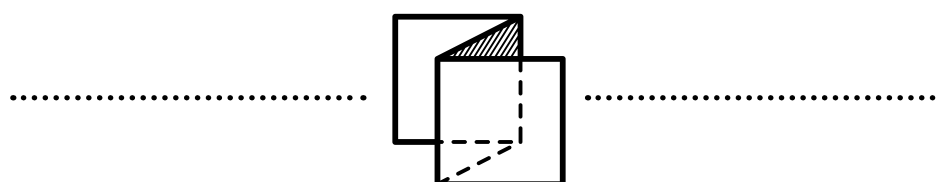


This aesthetic and technical peculiarities offer **unlimited solutions for interior and exterior design**, objects' decoration and countless other uses arising from the intuition and creativity of our customers, designers and architects.

*Thanks to a high-tech production line and the R&D department Decoral® Lab, Decoral® System stimulates the market regularly by introducing new proposals and it is always ready to create, customize and certify new products for its clients.*

## SPECIAL COATING POWDER FOR SUBLIMATION

With mechanical properties suitable for bending



The main peculiarity of this special series is the resistance to mechanical bending after curing and decoration, without showing any defect. These products have a smooth, matt surface and are all suitable for being decorated with heat-transfer films.

*They are especially recommended for false ceilings, doors and pieces of furniture for interior design made with the post-forming technique.*



## DOUBLE-LAYER COATING

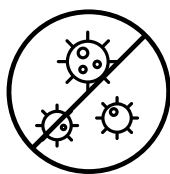
Combination of two layers



A double layer of coating powder (first layer: coloured powder; second layer: transparent powder) emphasizes the pattern transferred by sublimation on the coated surface. Sublimation inks penetrate into the transparent coating layer and maintain all the vividness of the colours, that would otherwise be covered by coloured powders. Different products chosen as top coat get different surface effects as, for instance, smooth, matt or glossy as well as special textures like Saltlake, Icetouch, etc.

## ANTIMICROBIAL COATING POWDER

Special protection for special environments



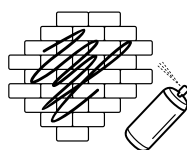
These coating powders are characterized by additives which make their surface resistant to bacteria and microorganisms. While, on a normal surface, microbes and bacteria can easily settle and proliferate, on a surface coated with our antimicrobial powders the bacterial growth is neutralized. After the accelerated weathering test, simulating a ten-year period of exposure, the anti-bacterial power has resulted to be extremely efficient. Anti-microbial powders are suitable to be decorated with heat-transfer technology, to match their functionality with the aesthetic value of wood effect or any other decorative pattern. They are particularly well suited for environments where cleanliness and hygiene are of great concern: hospitals, kindergartens and canteens are just a few examples of potential applications.

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## ANTI GRAFFITI COATING POWDER

High resistance against soiling



A special formulation makes products coated with this powder impenetrable to pens and permanent markers' inks. While surfaces painted with standard powders would show stains and streaks even after cleaning with specific detergents, those painted with antigrffiti powders can be easily cleaned, removing traces of writings and scribbles and restoring the original look. These powder coatings are suitable for decoration with heat-transfer technology and they usually have a smooth, glossy surface. They are available in several variants like transparent, coloured, super durable Class 2, low curing and antimicrobial. They provide a reliable solution for surfaces, tabletops or other objects subject to soiling.





# TRANSFER FILM

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Print division

**D**ecoral® System produces heat-transfer films used in the decoration process.

Thanks to the unique technology generated from twenty years of studies, passion and expertise of qualified technicians, Decoral® System nowadays offers **more than 4000 patterns**: from wood like cherry, pine and oak, stone and marble to metal effects as copper, steel, rust as well as countless bespoke textures.

**PG**

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**D**ecoral® System has departments entirely dedicated to the **customization of heat-transfer films**, thereby satisfying any graphic or creative request. Our films combined with specific Decoral® System coating powders give finishes suitable for outdoor use, certified by **Qualideco**. The R&D department Decoral® Lab, always innovation-oriented, has realized and launched worldwide unique heat-transfer films in the market.



*Decoral® System develops in-house inks which are used for printing sublimation films.*



# PLANT

## ..... Engineering division

**D**ecoral® System offers different types of plants which vary according to the specific requirement: sheets, profiles or special 3D objects.



**PG**  
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Each machinery is designed in line with the functions necessary for decorating each type of object: going from the **line of presses** to decorate sheets with different dimensions to **VIV line**, which can be customized according to **profile** size and is especially suitable for the decoration of special shaped items like **3D objects** and **embossed sheets**.

Decoral® System has also designed the **DC series** for mass production: a **continuous cycle** system that simplifies, accelerates and increases **profiles' decoration**.

Finally, Decoral® System has come up with the infrared electrically powered **IR line** to decorate particular 3D objects.

The same technology has been incorporated in the **Pratik line** to process **bigger goods** as window frame profiles.





Thanks to more than 20 years of experience, technology research and in-house production of decoration plants, we can supply our partners with **cutting-edge high-tech patented systems**, all **Made in Italy**. We are thus able to provide an ongoing support, offering training and updates with the purpose of growing together to enhance production efficiency and improve competitiveness in the **finishing of metals as well as of all those materials that can resist to a temperature of 200°C**.

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With our technical knowledge and full management of devices, we can offer a **high level of customization of plants**, adding various accessories like bagging machines, roll cutting devices and systems for removing exhausted films, as well as the possibility to further personalize them according to the latest production requirements and market trends.









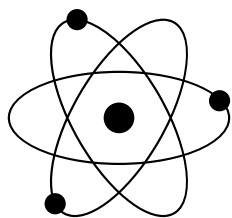
# POLYMER

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## Beyond aluminium

**D**ecoral® goes beyond its limits and opens the doors to **polymers**, a product suitable for several uses: windows, street furniture, construction and shipbuilding sectors, household accessories and those fields that can emphasize the features of this material, available in **countless shapes and dimensions** and, above all, **recyclable**.

Thanks to **Decoral® process**, the finished products can be decorated with **endless colours and patterns** using the heat-transfer technology.



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# ENDLESS

possibilities to give shape and life to the matter

## SHAPES

Decoral® polymers are created from small grains. Then, during the transformation process, they are melted and compressed inside a particular mould to shape the product. This innovative material is characterized by **flexibility, robustness, lightness and reliability**. It can be used for pieces of furniture, accessories, vases, caps, seals, small coverings and any other thing which can complete or refine an already existing product.

## COLOURS

Decoral® System produces in-house the raw material making up the final polymer. This is the reason why we can provide a **wide range of colours and effects**, from RAL to fluorescent, metallized, glitter and many others.

## EFFECTS

Polymers are not just limited to colours. Thanks to the patented Decoral® process, we can decorate polymers with all the available effects: wood, marble, stone, metal, fancy effects as well as bespoke images, logos and graphics.







# LAB

## Research and analysis centre

**D**ecoral® System, with its own analysis and control laboratories, can always ensure the highest quality of products. Our technicians regularly check the production of coating powders and heat-transfer films through tests, building a history of successes and innovations that make Decoral® System worldwide unique in the supply of state-of-the-art decoration technologies.



*We ensure the greatest possible reliability and customization of powders as well as decorative patterns. The best high-tech systems guarantee an excellent performance and ideal working conditions.*

**A** long history focused on R&D and field tests has made it possible to ensure with certainty the quality of Decoral® System products. Our laboratories unceasingly work to develop innovative, sustainable and durable products.



.....**TEST**.....





## Natural weathering test

ISO 2810

Natural exposure in Florida is a fundamental step to assess the resistance of coating powders and finishes suitable for outdoor use. ISO standard requires that samples are exposed for 12 months facing south. Decoral® System also tests samples for periods of 24, 36 and 60 months.

## Accelerated weathering test

ISO 16474-2

It consists of placing samples inside special equipment (Qsun and Solarbox) which simulate weather conditions (rain, sun and humidity) for a set time at controlled temperature and humidity. The test reproduces real conditions in a shorter time.

## Ink penetration

A section of the sample is observed by microscope to evaluate the penetration of sublimation inks inside the coating layer. In this way it is possible to assess the degree of penetration and, thus, the optimal performance of the product.

## Acetic acid salt spray test

ISO 9227 | ISO 4628-2

It is a destructive test with a maximum duration of 1000 hours performed to gather information about the behaviour of the support and the coating powder applied in extremely severe conditions. This test is particularly suitable for organic coatings on aluminium and its alloys.

## Machu test

This test provides information about the resistance of the powder layer to detachment from the support under immersion or high condensation conditions. In order to certify the pre-treatment quality, the pieces are immersed for 48 hours in an oxidising solution so as to facilitate the effect that can cause a loss of adhesion near the engravings.

## Humidity resistance test

ISO 6270-2 | ISO 4628-2

The resistance of the powder layer in high-humidity conditions is determined according to ISO 6270-2, ISO 4628-2. By working under controlled temperature, it is possible to evaluate the damages caused by the penetration of humidity into the coating and the support.

## Impact test

ISO 6272-2

This test evaluates the resistance or flexibility of a coating when it is subject to a quick deformation due to the impact with a determined weight dropped from a certain height. Test success or failure depends on the detachment of the coating from the support after the impact.

## Bend test

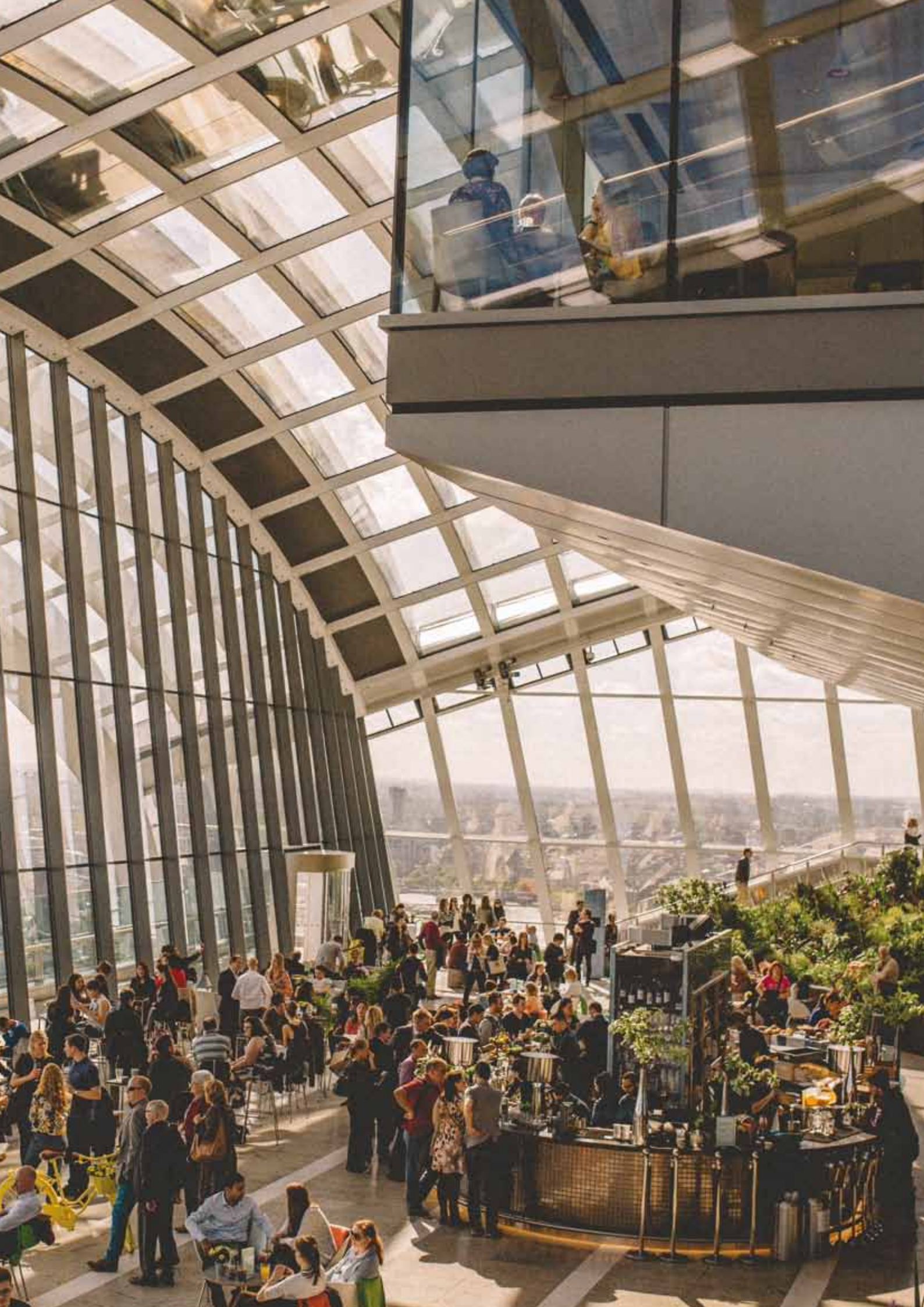
ISO 1519

This test determines the resistance or flexibility of a coating when it is subject to bending with a cylindrical mandrel on normalized conditions. It establishes if the coating was well performed and also the limit of mandrel's diameter, under which the coating cracks or starts detaching from the support.

## Cupping test

ISO 1520

This test is aimed at assessing the resistance of the coated and/or decorated surface to cracking or detachment from a metal support when it is subject to gradual deformation through deep drawing. The test determines the degree of resistance according to the depth of deep drawing and the consequent cracking or detachment from the support.











# QUALITY

We certify our own know-how

## QUALITYDECORAL® GOLD

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**Q**ualityDecoral® Gold is a self-certification for those finishings (combinations between Decoral® System Super durable coating powders and Decoral® System Hyper durable heat-transfer films) that have a **very high resistance to atmospheric agents, three times higher than standard finishes.**

These finishes consist of specific combinations that have successfully passed severe tests like the **accelerated weathering, with a duration of 2500 hours** (using Qsun and Solarbox devices equipped with sophisticated Xenon lamps, humidification and flooding systems that artificially deteriorate finishes), and the **natural exposure to the harsh climate of Florida for a period of 3 years.**



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## QUALITYDECORAL® SILVER

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**Q**ualityDecoral® Silver is a self-certification for those finishings (combinations between Decoral® System coating powders and Decoral® System heat-transfer films) that have a high resistance to atmospheric agents. These finishes consist of combinations that have successfully passed severe tests like **1000 hours accelerated weathering, and 1-year natural exposure to the harsh climate of Florida.**



## APPROVAL for coating materials

The Association for Quality Controls in the Laminating, Printing and Coating Industry, administered by QUALICOAT, hereby grants an approval based on the test results:

Report submitted by (Testing laboratory):	QUALITAL
Date of issue of the approval:	28.11.2018
Approval valid until:	31.12.2019
System name:	Poliuretano Liscio Opaco Serie D6 4000X Flexibile
Valid only for Substrates:	Yes
Class Category:	1
Class:	1
Structural Finish:	No
Extension for FFP:	No
Extension for sublimation:	No
Mineral content approval:	No
Formed online:	
Manufactured by the company:	Decoral Systems
Place:	IT - 57040 Arcore VR
Phone:	+390376

This product may be described and labelled as follows:

Product tested and approved for this quality mark



cert map functions are offered in all companies holding the quality label for paint, lacquer and powder coatings on aluminium for architectural applications.

Zürich, 1 January 2019  
QUALICOAT

M.C. Panam  
Muhammad C. Panam  
President

Joel Brückling  
Joel Brückling  
General Secretary

QUALICOAT - P.O. Box 1007, D-40211 Dettmold (Germany) - 40211 Dettmold (Germany)  
Phone: +49 20 255 05 10 - Fax: +49 20 255 05 10 - Email: info@qualicoat.de - Internet: www.qualicoat.de

## LICENCE CERTIFICATE

### AUTHORIZATION TO USE THE QUALITY MARK



This is to certify that

**DECORAL SYSTEM**  
Viale del Lavoro, 37040 Arcore (VR)  
Licence number: FS-001

is authorized to use the quality mark shown above on the class 2 decorated products listed in the annex A in accordance with the QUALIDECO Specifications.

Date of issue of the licence: 22.02.1999

Period of validity of the licence: until 31.12.2018

Zürich, 30 December 2017

QUALIDECO

M.C. Panam  
Muhammad C. Panam  
President

Joel Brückling  
Joel Brückling  
General Secretary

Joel Brückling  
Joel Brückling  
QUALIDECO Committee

## QUALICOAT

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Qualicoat is a European quality label organisation that manages and promotes the quality of coating on aluminium and its alloys for architectural applications. Its main goal is to guarantee the realization of high quality coated products by following specific directives which involve plants, raw materials and finished products.



## QUALIDECO

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Qualideco is a quality label for decorative finishes obtained using heat transfer and rotary pad printing techniques (Horizon). Qualideco labelled products are suitable for outdoor use. This label guarantees that the decoration plant, film producer and coated product comply with the requirements outlined in Qualideco specifications.







## RINA TEST

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RINA S.p.a. is the operating company of "Registro Italiano Navale", Italian market leader in the certification and assessment of conformity, with a significant presence in some of the most strategic areas of the world and mainly operating in the fields of marine classification, certification and advanced services for industry. Some of Decoral® System finishes are suitable for maritime environment according to RINA S.p.a.



## ARCHITECTURAL TESTING

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Architectural Testing is an international institution that certifies our finishes, relying on 8 parameters: colour uniformity, gloss, penetration of sublimation ink, adhesion of coating layer, impact resistance and chemical resistance, resistance to chemical substances and corrosion. Samples of our finishes are studied, subjected to stress tests and evaluated in each stage from a quantitative point of view, according to data collected by qualitative researches.







**LEED® | BREEAM® | WELL®**

powders compliant  
with new international standards

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Inside our Decoral® Lab in Verona, brilliant qualified technicians test and certify every day our products and regularly introduce new ideas and design influences.

Our coating powders are low VOC (Volatile Organic Compound) emissions and are certified by the international institution Eurofins.



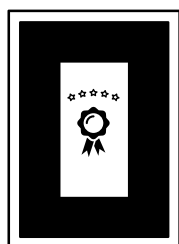
..... Making the difference .....

# HAS REWARDED US

## ASSOCIAZIONE INDUSTRIALI VERONA

2006

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In 2006 Decoral® Group won the award for Creativity and Innovation because of the introduction of Decoral® process into the market and new patents for the wood effect decoration on aluminium. Another step towards the reduction of deforestation, the improvement of comfort and durability of doors and windows as well as the increase of energy efficiency in buildings.



Creativity and Innovation Award  
VERONA - 2006



## MERLI AWARD FOR ENVIRONMENT

2007



In 2007, Decoral® Group was recognized as an eco-friendly company, winning Merli National Award for environment, thanks to its constant and proven commitment to replace wood and its periodic maintenance. The award is promoted by “Movimento Azzurro”, in cooperation with “Fondazione Europea di Educazione Ambientale”, “Bandiere Blu Italia”, “Libertas”, “Associazione Mari e Marinai”.



## METEF

2012



Decoral® System won the first prize in the materials division, thanks to the new series of coating powders and heat-transfer films specifically formulated for better performance in terms of durability. The high durability of these finishes contributes to environmental sustainability because it significantly extends the life of decorated objects and reduces expensive maintenance and restoration measures. Decorated products have been subject to the accelerated weathering test and long periods of exposure in Florida before being launched in the market.

## METEF

2014



In 2014, Decoral® System won the innovation prize for coating powders suitable for heat-transfer technology that lose colour above a certain temperature, thus revealing what has been previously sublimated in the background. The new series Decoral® Thermo was created in this way: innovative products that can be used in functional applications where an optical change connected to a temperature variation can be considered as an added value.





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## WELFARE INDEX PMI

2016



In 2016 Decoral® Group won the Welfare Index PMI prize, the index assessing the corporate welfare of small and medium-sized companies that has certified a Group company as one of the top 100 Italian enterprises for welfare.

Company welfare is defined as the set of initiatives undertaken to ensure the safety and well-being of workers, their families and the social community, and is based on 12 parameters including personnel training, care and welfare services extended to the territory and the community.







# GREEN VISION

Our present challenge for planet's future

Emissions reduction, recycling and zero impact are the key elements of Decoral® Group processes. The use of wood-effect aluminium in the architectural and furniture industries helps to reduce the usage of wood and preserve forest resources.

In accordance with our Green Vision, the energy required for production processes is generated from renewable sources by means of solar panel plants which are placed on the roof of our production sites.

Decoral® Group's goal is to contribute to the realization of buildings, components and artifacts minimizing the impact on environment and, at the same time, ensuring high standards as required by the main international protocols of sustainability.

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**4.553 SQM** | TOTAL AREA OF THE PLANT

**2.729.583 KWH** | ENERGY PRODUCED

**1.449.408,57 KG** | AVOIDED EMISSIONS OF CO<sub>2</sub>

**188.423** | NUMBER OF TREES

**594.893,20** | LITRES OF OIL SAVED



# FINISHES

## Reference guide

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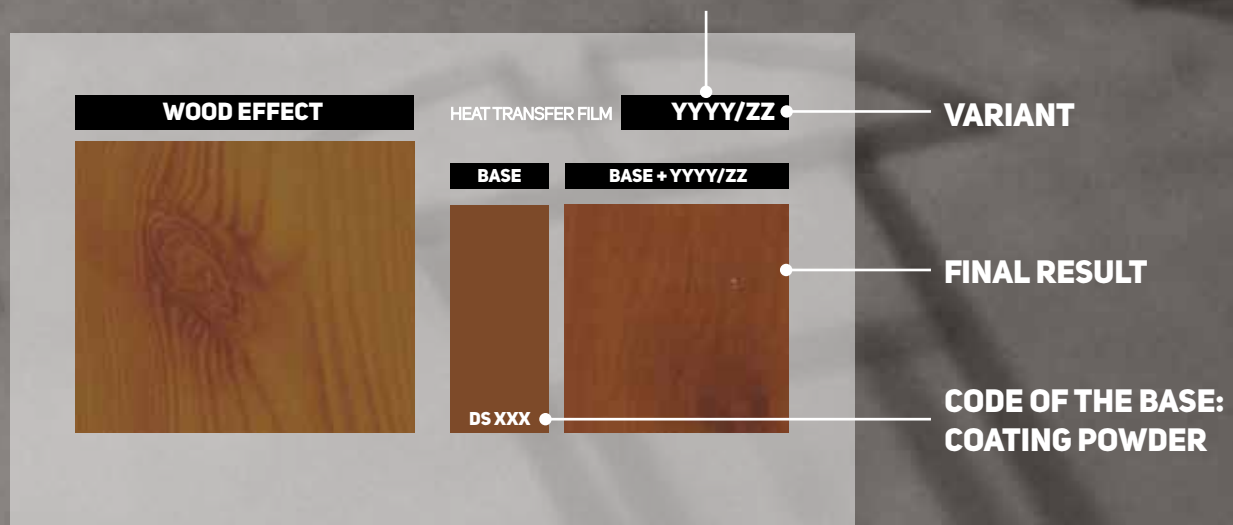
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In the following pages there are some representative finishes of Decoral® process. They are divided according to the different fields of application, going from the Gold and Outdoor Series used for facades, doors and windows strongly affected by irradiation, to Indoor Series which is suitable for interior design. Each finishing shows the base coating powder and the heat-transfer film, which is represented by the code of the decorative pattern. The list of patterns will be updated in order to always provide the most innovative and trendy finishes.



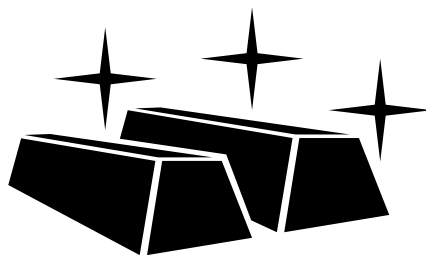
# the way to colour your projects

## CODE OF THE DECORATIVE PATTERN









outdoor | best performance

# GOLD

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**T**he Gold line is characterized by finishes with high resistance to weathering, UV radiation and corrosion.

The Gold series is the **crowning achievement of Decoral® System**, the outcome of continuous investments in research and development as well as field tests to verify the outdoor durability. All products of **Gold series** have been exposed **for at least three years in Florida**, one of the world's regions with the highest UV irradiation, corrosion rate and impact of atmospheric agents on external surfaces. The finishings which successfully passed the severe test described above have been certified and approved by Decoral® System **QualityDecoral® Gold**.

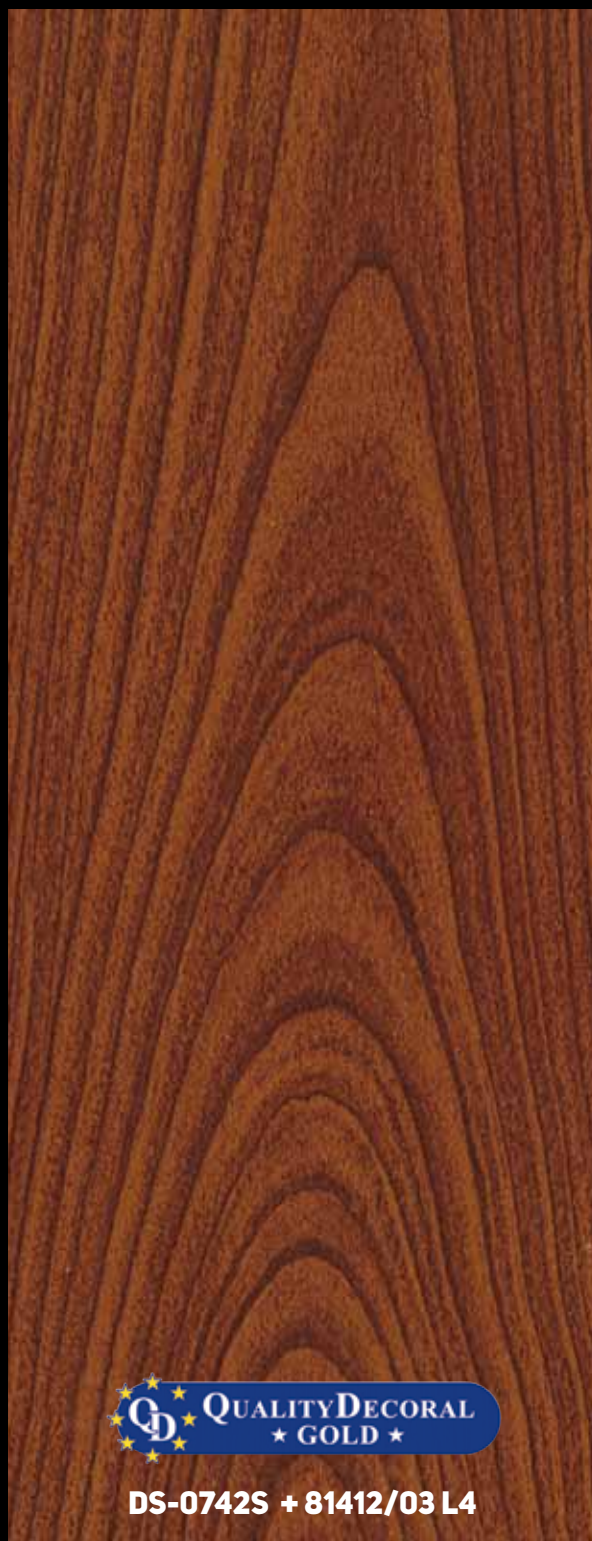
## ACACIA



**DS-0706S + 81001/09 L4**

**DS-0706S**

## CHERRY



**DS-0742S + 81412/03 L4**

**DS-0742S**

**PINE**

**OAK**



**DS-0430S + 82102/01 L4**



**DS-0721S + 82308/21 L4**

**DS-0430S**

**DS-0721S**



OAK



OAK



## MARBLE



**DS-0804S**

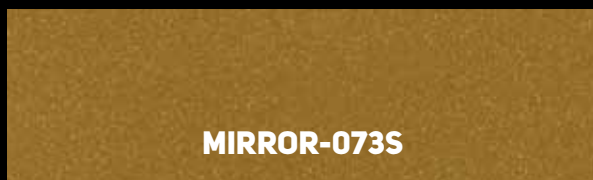
## GRANITE



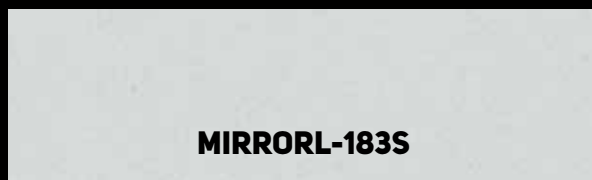
**MIRROR-058S**



## RUST

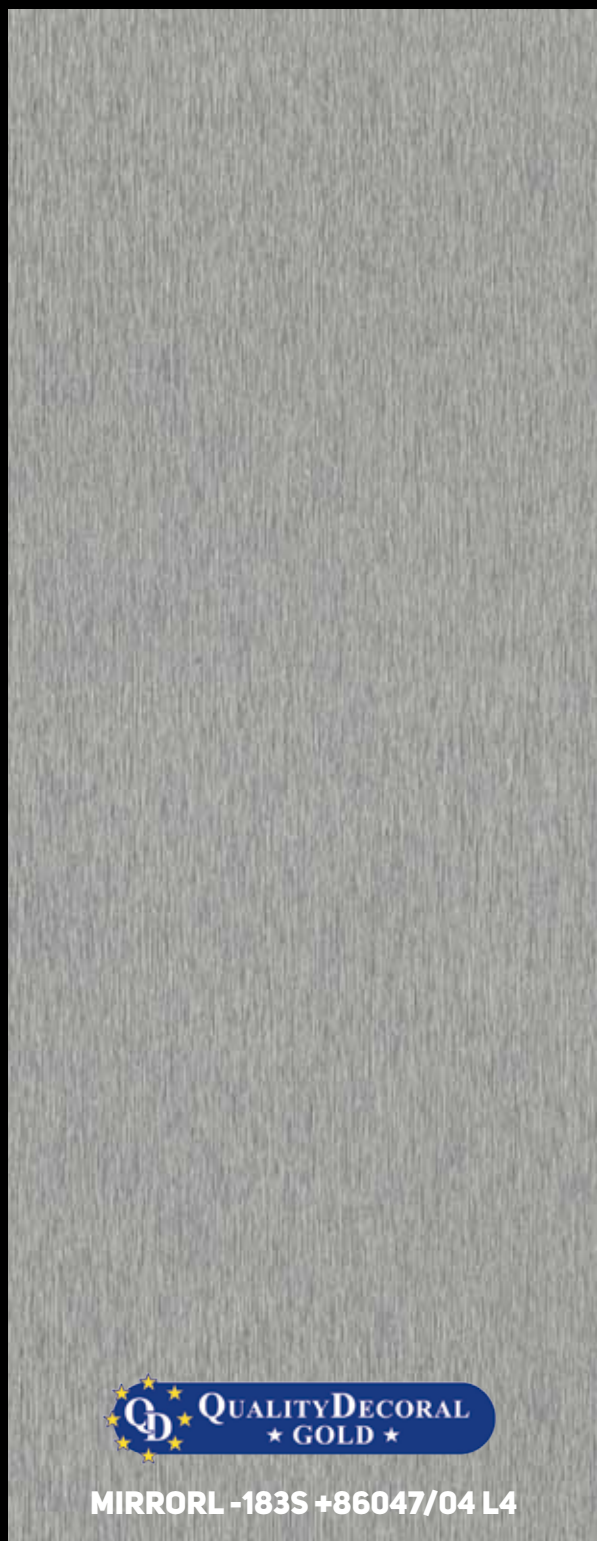


## STEEL





## BRUSHED



**MIRRORL-183S +86047/04 L4**

**MIRRORL-183S**

## TEAK



**DS-0772S + 82602/02 L4**

**DS-0772S**





# WOOD

.....

outdoor

**PG**

**63**

**T**he Outdoor Wood line offers more than 1000 wood grain finishes suitable for outdoor use.

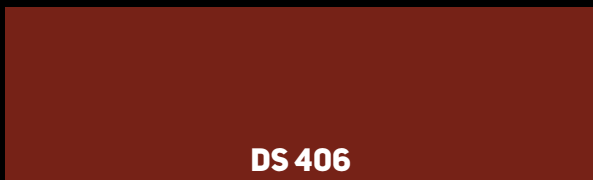
Acacia, birch, chestnut, olive, pine and oak are some of the finishes suitable for outdoor use in architectural, interior and exterior design, transports and many other fields. **All Outdoor finishings have passed the 1000-hour accelerated weathering test according to the international Qualicoat standard** and can thus ensure high quality and durability.



**BASE DS 406 + 1001/09**



**ACACIA**



**DS 406**

HEAT TRANSFER FILM

**1001/09**

**BASE**

**BASE + 1001/09**



**DS 742**



**DS-0706S**



**DS-0806S**



**DS 770**



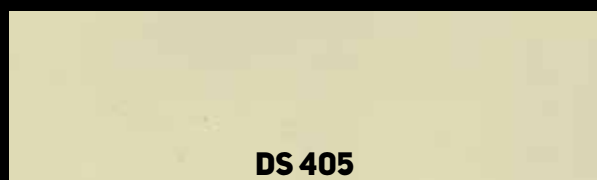
**BASE DS 405 + 1202/01**

HEAT TRANSFER FILM

**1202/01**



**BIRCH**



**DS 405**

**BASE**

**BASE + 1202/01**



**DS 708**



**DS 734**



**DS 745**



**MIRROR -058**



**BASE DS 402 + 1301/03**



**CHESTNUT**

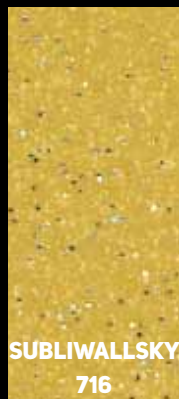


**DS 402**

HEAT TRANSFER FILM

**1301/03**

**BASE**



**DS 716**



**DS 733**



**DS 741**

**BASE + 1301/03**





**BASE DS-0402S + 1402/02**

HEAT TRANSFER FILM

**1402/02**



**CHERRY**



**DS-0402S**

**BASE**

**BASE + 1402/02**



**DS 403**



**DS 733**



**DS 772**



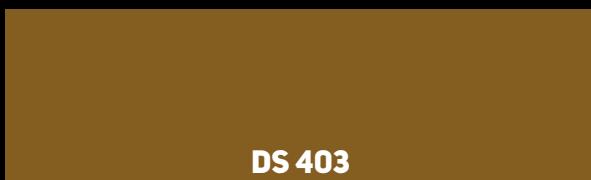
**DS-0706S**



**BASE DS 403 + 1403/02**



**CHERRY**



**DS 403**

HEAT TRANSFER FILM

**1403/02**

**BASE**

**BASE + 1403/02**



**DS 733**



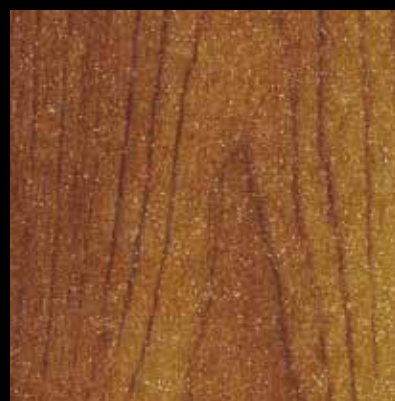
**DS 772**



**DS-0739S**



**SUBLIWALLSKY  
733**





**BASE DS-0402S + 1406/01**

HEAT TRANSFER FILM

**1406/01**



**CHERRY**



**DS-0402S**

**BASE**

**BASE + 1406/01**



**DS 425**



**DS 739**



**DS-0716S**

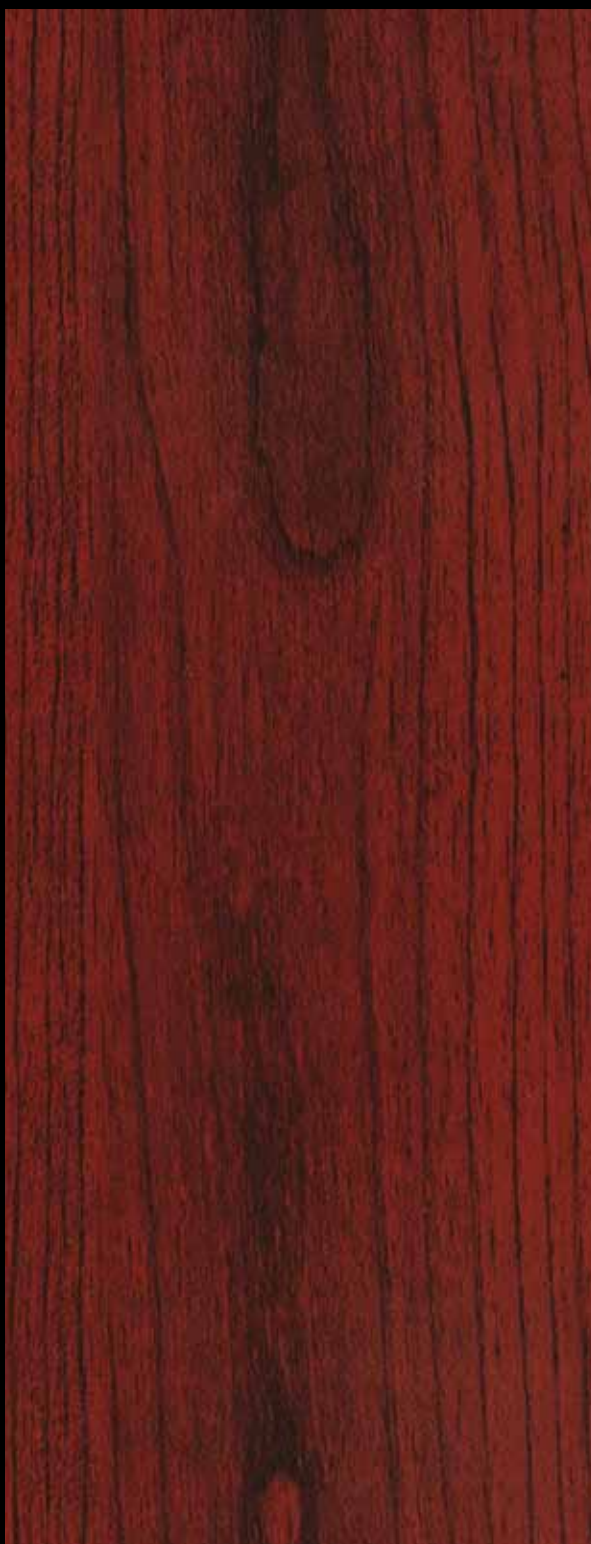


**DS 475**





**BASE DS 706 + 1413/03**



**CHERRY**

**DS 706**

HEAT TRANSFER FILM

**1413/03**

**BASE**

**BASE + 1413/03**



**BASE DS 406 + 1414/05**

HEAT TRANSFER FILM

**1414/05**



**CHERRY**



**DS 406**

**BASE**

**BASE + 1414/05**



**DS 706**



**DS 417**



**DS 775**



**DS 472**



**BASE DS 402 + 1601/06**



**BEECH**



**DS 402**

HEAT TRANSFER FILM

**1601/06**

**BASE**

**BASE + 1601/06**



**DS 417**



**DS 421**



**DS 479**



**DS 716**





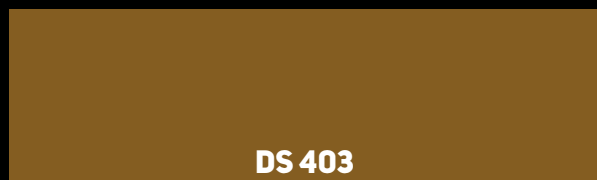
**BASE DS 403 + 1704/01**

HEAT TRANSFER FILM

**1704/01**



**MAHOGANY**



**DS 403**

**BASE**

**BASE + 1704/01**



**DS 406**



**DS-0716S**



**DS 739**



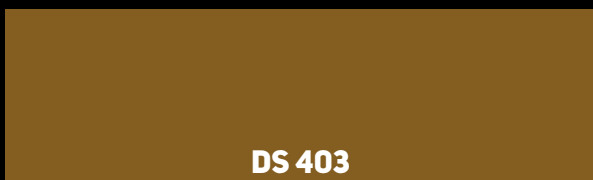
**DS 775**



**BASE DS 403 + 1802/02**



**WALNUT**



**DS 403**

HEAT TRANSFER FILM

**1802/02**

**BASE**

**BASE + 1802/02**



**DS 733**



**DS 775**



**DS 772**



**DS-0803S**





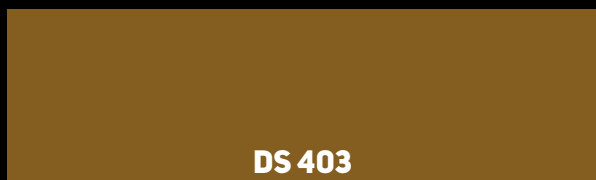
**BASE DS 403 + 1803/01**

HEAT TRANSFER FILM

**1803/01**



**WALNUT**



**DS 403**

**BASE**

**BASE + 1803/01**



**DS 733**



**DS 772**



**DS 402**



**DS 478**

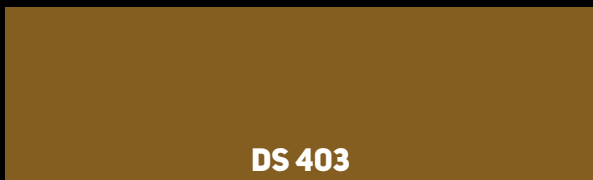




**BASE DS 403 + 1807/01**



**WALNUT**



**DS 403**

HEAT TRANSFER FILM

**1807/01**

**BASE**

**BASE + 1807/01**



**DS 721**



**DS 772**



**DS-0733S**



**DS-0429S**



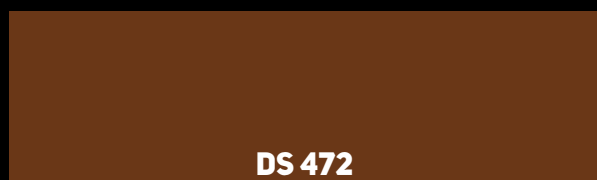
**BASE DS 472 + 1829/02**

HEAT TRANSFER FILM

**1829/02**



**WALNUT**



**DS 472**

**BASE**

**BASE + 1829/02**



**DS 753**



**DS 475**



**DS 775**



**DS-0821S**





**BASE DS 403 + 1836/01**

HEAT TRANSFER FILM

**1836/01**



**WALNUT**



**DS 403**

**BASE**

**BASE + 1836/01**



**DS 409**



**DS 475**



**DS 733**



**DS-0806S**





**BASE DS 403 + 1901/01**

HEAT TRANSFER FILM

**1901/01**

**BASE**

**BASE + 1901/01**

**DS 421**

**DS 430**

**DS 425**

**DS 733**

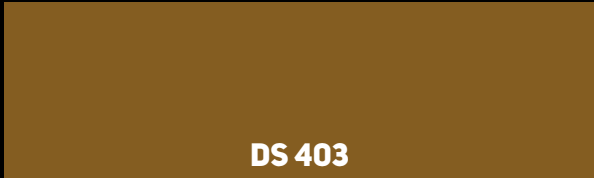
**ALDER**

**DS 403**

BASE DS 403 + 2001/01



ELM



DS 403

HEAT TRANSFER FILM

2001/01

BASE



DS 733

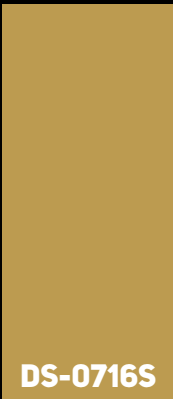
BASE + 2001/01



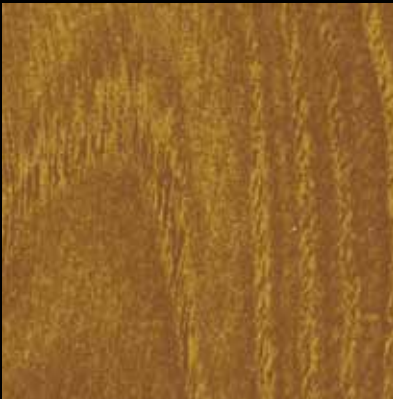
DS 742



DS 775



DS-0716S



**BASE DS 402 + 2103/01**

HEAT TRANSFER FILM

**2103/01**



**PINE**



**DS 402**

**BASE**

**BASE + 2103/01**



**DS 721**



**DS 733**



**DS 742**



**DS 747**





**BASE DS 421 + 2117/02**



**3D PINE**



**DS 421**

HEAT TRANSFER FILM

**2117/02**

**BASE**

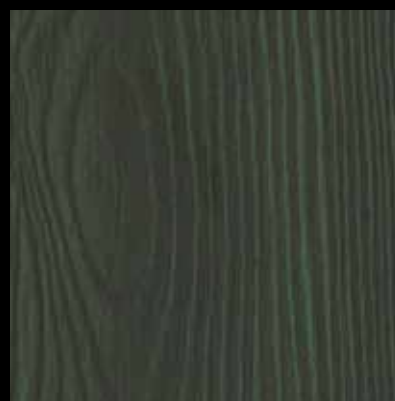


**DS 721**

**BASE + 2117/02**



**DS 747**



**DS-0402S**



**8F-149-A005**



**BASE DS 770 + 2120/03**

HEAT TRANSFER FILM

**2120/03**



**PINE**

**DS 770**

**BASE**

**BASE + 2120/03**



**MIRRORL-183S**



**8G-096-A009**



**8G-026-A009**



**8G-148-A009**



**BASE DS 721 + 2301/02**



**OAK**

**DS 721**

HEAT TRANSFER FILM

**2301/02**

**BASE**

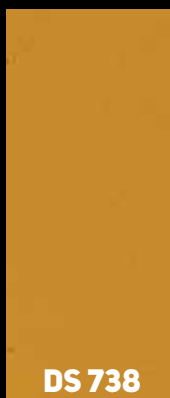
**BASE + 2301/02**



**DS 733**



**8G-007-A005**



**DS 738**



**DS 772**





**BASE DS 733 + 2305/17**

HEAT TRANSFER FILM

**2305/17**



**OAK**

**DS 733**

**BASE**

**BASE + 2305/17**

**DS 775**

**DS 1739**

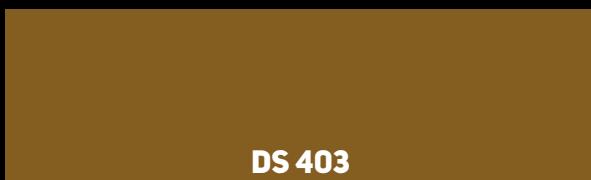
**DS 772**

**8G-022-A002**

**BASE DS 403 + 2401/04**



**BRIAR-ROOT**



**DS 403**

HEAT TRANSFER FILM

**2401/04**

**BASE**

**BASE + 2401/04**



**DS 429**



**DS 421**



**DS 733**



**DS 772**





**BASE DS 402 + 2501/05**

HEAT TRANSFER FILM

**2501/05**



**OAK**



**DS 402**

**BASE**

**BASE + 2501/05**



**DS 704M**



**DS 726**



**DS 739**



**DS 746**





**BASE DS 403 + 2502/12**



**OAK**



**DS 403**

HEAT TRANSFER FILM

**2502/12**

**BASE**

**BASE + 2502/12**



**DS 757**



**DS 772**



**DS-0875S**



**MIRROR-107S**



**BASE DS 403 + 2503/04**

HEAT TRANSFER FILM

**2503/04**



**OAK**



**DS 403**

**BASE**

**BASE + 2503/04**



**DS 406**



**DS 733**



**DS 794M**



**DS-0803S**





**BASE DS 403 + 2504/01**



**OAK**

**DS 403**

HEAT TRANSFER FILM

**2504/01**

**BASE**

**BASE + 2504/01**

**DS 716**

**DS 739**

**DS-0703IS**

**DS 733**



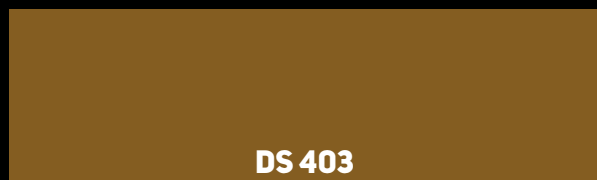
**BASE DS 403 + 2505/01**

HEAT TRANSFER FILM

**2505/01**



**OAK**



**DS 403**

**BASE**

**BASE + 2505/01**



**DS 406**



**DS 733**



**DS 739**



**DS 706**



**BASE DS 402 + 2507/01**



**OAK**



**DS 402**

HEAT TRANSFER FILM

**2507/01**

**BASE**

**BASE + 2507/01**



**DS 403**



**DS 716**



**DS 733**



**DS 739**



**BASE 8C-039-A001 + 2513/11**

HEAT TRANSFER FILM

**2513/11**



**OAK**



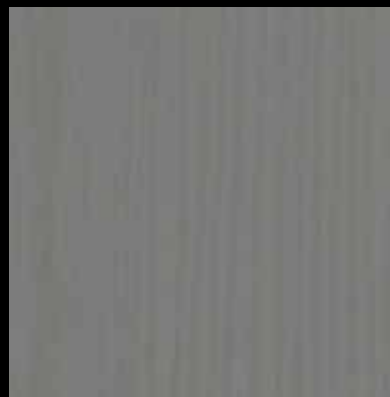
**8C-039-A001**

**BASE**

**BASE + 2513/11**



**8C-040-A001**



**8C-081-A001**



**8G-040-A005**



**8G-039-A005**





**BASE DS-0821S + 2515/01**



**OAK**

**DS-0821S**

HEAT TRANSFER FILM

**2515/01**

**BASE**

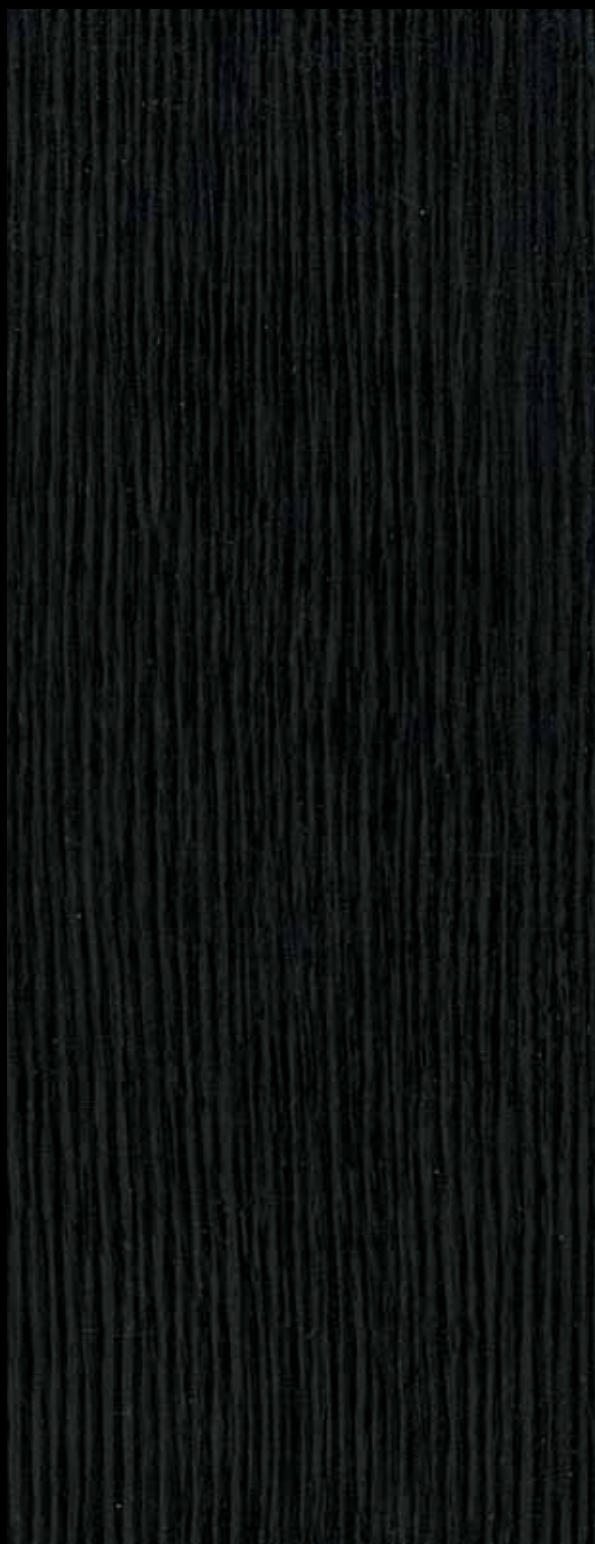
**BASE + 2515/01**



**BASE DS-0457S + 2516/06**

HEAT TRANSFER FILM

**2516/06**



**OAK**



**DS-0457S**

**BASE**

**BASE + 2516/06**



**DS-0423S**



**DS-0723S**



**DS-0757S**



**DS-0857S**



**BASE DS 421 + 2531/02**



**OAK**

**DS 421**

HEAT TRANSFER FILM

**2531/02**

**BASE**

**BASE + 2531/02**

**DS 772**

**DS 721**

**DS 747**

**DS 753**



**BASE DS 403 + 2601/01**

HEAT TRANSFER FILM

**2601/01**



**TEAK**



**DS 403**

**BASE**

**BASE + 2601/01**



**DS 421**



**DS 747**



**DS 733**



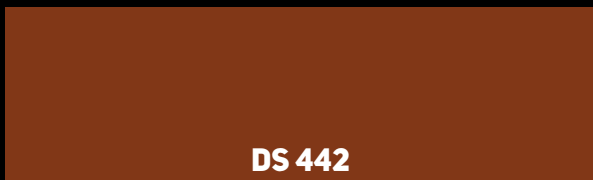
**DS-0721S**



**BASE DS 442 + 2805/02**



**ZEBRANO**



**DS 442**

HEAT TRANSFER FILM

**2805/02**

**BASE**

**BASE + 2805/02**



**DS 475**



**DS 742**



**DS 775**



**DS-0821S**



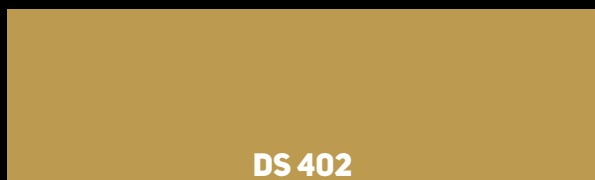
**BASE DS 402 + 2903/01**

HEAT TRANSFER FILM

**2903/01**



**OLIVE**



**DS 402**

**BASE**

**BASE + 2903/01**



**DS 403**



**DS 442**



**DS 716**

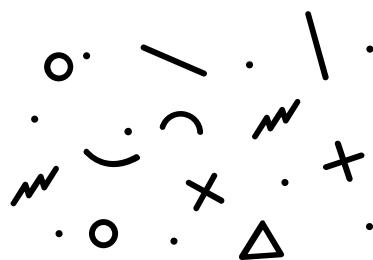


**DS 730**









# FANCY EFFECTS

.....

## outdoor

**T**he Outdoor Fancy effects line gives space to creativity.

Metal effects like brushed, oxidized, galvanized, copper and carbon are well suited for those who seek furnishing components or architectural finishes with a minimal design or an industrial style. Traditional stone patterns as granite, concrete, travertine are dedicated to those looking for refinement and elegance but also robustness and an historic character. Finally, special finishes ranging from jeans and camouflage effects to python are designed for customers with original requests. **All Outdoor finishings have passed the 1000-hour accelerated weathering test according to the international Qualicoat standard and can thus ensure high quality and durability.**

## BRUSHED



**BASE MIRROR-155S + 5007/03**

**MIRROR-155S**

## BRUSHED



**BASE 8C-074-A001 + 5007/13**

**8C-074-A001**

## GRANITE



**BASE DS-0708S + 5014/01**

**DS-0708S**

## MARBLE



**BASE DS-0408S + 5015/05**

**DS-0408S**



## MARBLE



**BASE MIRROR-099S + 5015/07**



**MIRROR-099S**

## MARBLE



**BASE MIRROR-058S + 5018/02**

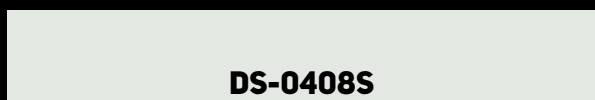


**MIRROR-058S**

## STONE



**BASE DS-0408S + 5024/01**



**DS-0408S**

## STONE



**MIRROR-007 + 5025/02**



**MIRROR-007**

## CONCRETE



**BASE MIRROR-107S + 5026/02**



**MIRROR-107S**

## CONCRETE



**BASE 9C-016-A001 + 5026/04**



**9C-016-A001**

PG

104

## CARBON FIBER



**BASE DS-0857S + 6001/01**



**DS-0857S**

## CAMOUFLAGE



**BASE DS-0720S + 6010/56**



**DS-0720S**

## RUST



**BASE DS 407 + 6040/01**

**DS 407**

## RUST



**BASE DS-0733S + 6040/02**

**DS-0733S**

## ARABESQUE



**BASE GLASS-004 + 6044/09**

**GLASS-004**

## BRUSHED



**BASE MIRRORL-183S + 6047/15**

**MIRRORL-183S**

**PG**

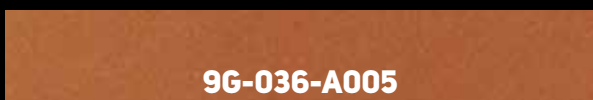
**105**



## RUST



**BASE 9G-036-A005 + 6048/02**



**9G-036-A005**

## OXIDISED

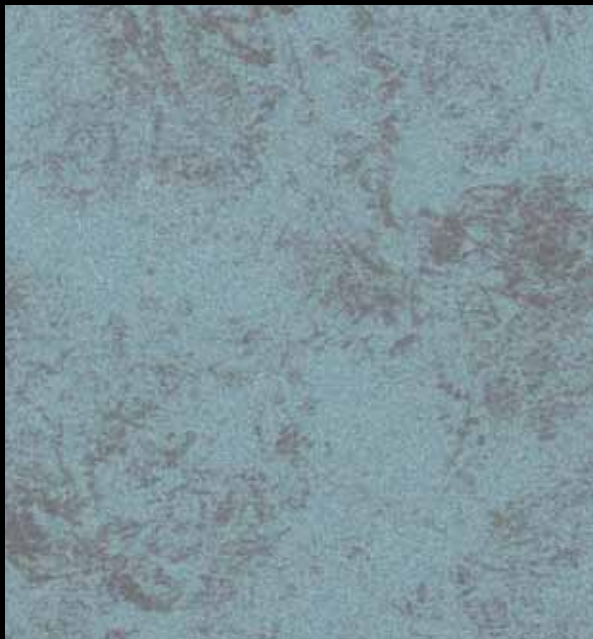


**BASE ICETOUCH-011 + 6052/01**



**ICETOUCH-011**

## OXIDISED



**BASE MIRROR-097S + 6052/02**

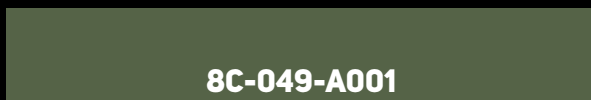


**MIRROR-097S**

## STEEL



**BASE 8C-049-A001 + 6053/01**



**8C-049-A001**

## GALVANIZED



**BASE MIRRORL-183S + 6054/01**

**MIRRORL-183S**

## GALVANIZED



**BASE ICETOUCH-011 + 6054/01**

**ICETOUCH-011**

## PYTHON



**BASE COLIBRÌ-16 + 6058/01**

**COLIBRÌ-16**

## PYTHON



**BASE COLIBRÌ-18 + 6060/01**

**COLIBRÌ-18**

**PG**

**107**









# Decoral® **ART**

.....

**PG**

**109**

**D**ecoral® System offers an incredible innovative solution to the most demanding customers seeking **complete customization of the aluminium surface** or a way to decorate walls, design components and accessories. In addition to countless textures already available, we also supply graphics printed on special supports suitable to be transferred by sublimation on aluminium sheets previously coated with Decoral® System special powders. It is thus possible to guarantee **full customization**, thanks to **Decoral® Art department** that is at your service to print your images digitally and give concrete expression to your creativity.

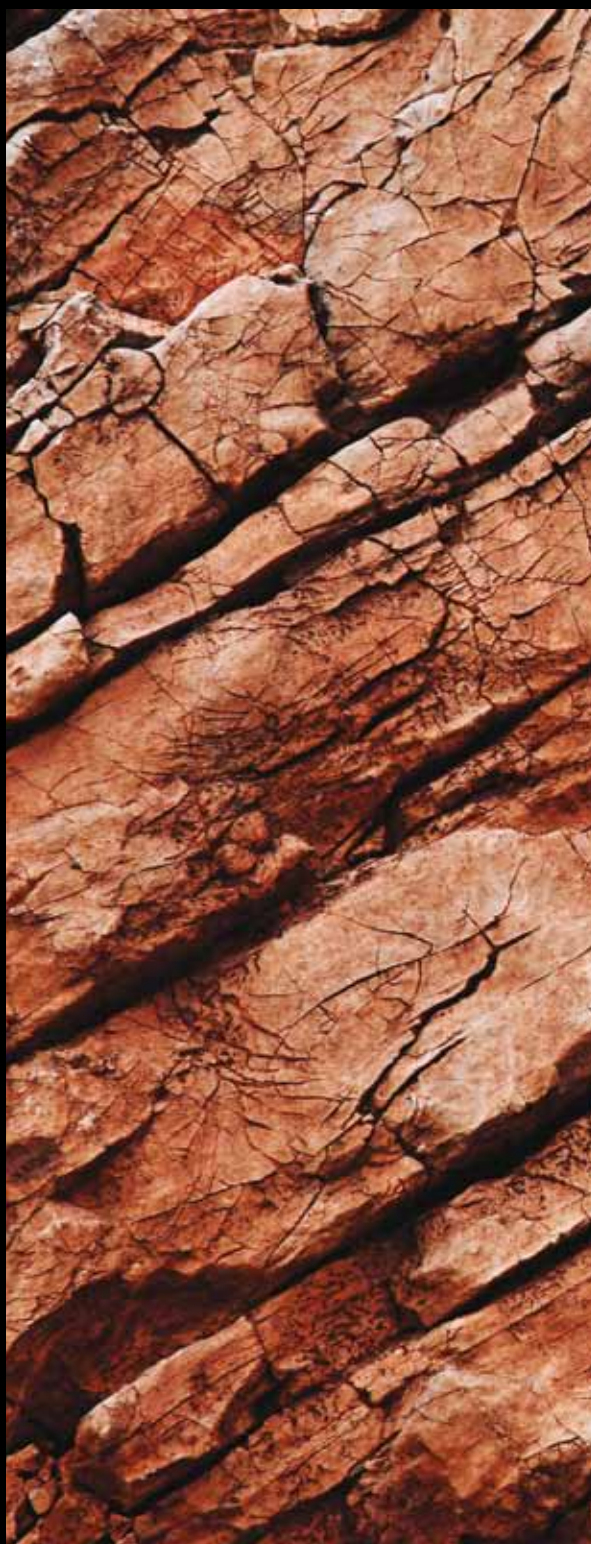
## VINTAGE MEMORIES



**HEAT TRANSFER FILM PL-19-039-0001**

**PE 411 + DS-0810S**

## HEAVY ROCK



**HEAT TRANSFER FILM PL-19-039-0002**

**PE 411 + DS-0407S**



## PARADISE ON EARTH



**HEAT TRANSFER FILM PL-19-039-0003**

**PE 411 + DS-0707S**

## SUMMER DREAM



**HEAT TRANSFER FILM PL-19-039-0004**

**PE 411 + LIGHT-001**







# INDOOR

.....

solutions

**I**ndoor is the Decoral® System line dedicated to interior design.

More than 1000 types of colours and patterns can be chosen, from wood effect (cherry, walnut, olive, acacia, cork and many others) to metal, stone, arabesque, textile, broken glass, zebra and leopard effects to satisfy any architectural or interior design need.



## FIBER



**BASE ICETOUCH-001 + 6028/04**

**ICETOUCH-001**

## WOVEN GAUZE



**BASE ICETOUCH-001 + 6029/06**

**ICETOUCH-001**

## STRIATE GAUZE



**BASE ICETOUCH-001 + 6031/05**

**ICETOUCH-001**

## JEANS



**BASE ICETOUCH-001 + 6038/02**

**ICETOUCH-001**



## ACACIA



**BASE DS 405 + 1005/01**

**DS 405**

## MAPLE



**BASE DS 752 + 1101/01**

**DS 752**

## BIRCH



**BASE DS 405 + 1201/01**

**DS 405**

## CHERRY



**BASE DS 716 + 1401/01**

**DS 716**

**PG**

**115**

## WALNUT



**BASE DS 420 + 1806/02**

**DS 420**

## WALNUT



**BASE DS 706 + 1815/02**

**DS 706**

## PINE



**BASE DS 718 + 2105/09**

**DS 718**

## PINE



**BASE DS 737 + 2106/01**

**DS 737**

## OAK



**BASE DS 746 + 2309/06**

**DS 746**

## OAK



**BASE DS 716 + 2508/08**

**DS 716**

## OLIVE



**BASE DS 716 + 2901/07**

**DS 716**

## CORK OAK



**BASE SALT LAKE-028 + 2904/01**

**SALT LAKE-028**

**PG**

**117**







Future-oriented colours

## **REFERENCE LIST**

**PG**

**119**

**D**ecoral® System, thanks to patented and innovative processes, cutting-edge raw materials, international quality certificates and a great attention to environmental sustainability, has achieved over the years excellent results in coating and decoration of skyscrapers, office centres, hotels, private buildings, residential areas, pieces of furniture used in shipbuilding and air transport sectors.









**MOOR PLACE MOORGATE EXCHANGE**  
London, UK 2014

**D**esigned for important companies working in the City, the building has a huge open space on the ground floor and narrows on the Barbican side, creating a series of stepped roof gardens. The structure seems to “float” on the groundfloor massive V columns.

The façades have been designed to fully exploit their orientation and thus increase the energy efficiency whilst creating a building that feels light and transparent. The construction saves up to 30% of energy and reduces CO<sub>2</sub> emissions by 20%.

The Office Building Moor Place, formerly Moorgate Exchange, has been certified as BREEAM® “Excellent” and LEED® Core & Shell “Platinum”: the highest levels of international certifications concerning environmental sustainability.

The façades of ground floor are covered with a system of pillars and crosspieces and horizontal aluminium brise-soleil, while those of upper floors are made up of a structural silicon glazed unitised system with glass fins.

The aluminium components have been powder coated by Decoral® Group with Champagne C31 Class 2 finish.



### KING'S CROSS London, UK 2015

The anodized black finish of the external ornamentation emphasizes the complex architecture of the building, in perfect harmony with London's urban framework. The ground floor and the first floor of the west side in front of Saint Pancras Station are composed by a compact double skin façade, tailored to meet thermal and acoustic requirements. The internal atrium consists of full height laminated glazing 2 metres high, surrounded by black anodised aluminium profiles. The sound absorbing micro perforated metal sheet used for spandrels and columns increases the acoustic comfort inside offices.











## CAMPUS EINAUDI

Turin, Italy 2013

**B**uilt in 2013 near the wonderful “Mole Antonelliana”, this construction is mainly characterized by an envelope of sinuous curved light grey façades of glass and metal, giving a modern touch that blends in perfectly with the surroundings.

The distinctive feature of this project is the “ribboned” visual effect, made of horizontal glazed units, alternating with bespoke fluted panels based on the architectural concept.

The project was designed and built with both glazed and spandrel unitised elements which have been completely pre-fabricated in factory, thus reducing the site activities and increasing programme efficiency, maintaining at the same time the overall quality of the architectural intervention.

The aluminium partitions have been powder coated by Decoral® Group with 8014 Class 1 finish.



**MICHURINSKY PROSPEKT**

Moscow, Russia 2018

The interior and exterior design, characterized by original flower pictograms, represents the work achievements of the famous Russian biologist Ivan Vladimirovič Mičurin. External walls, made of red aluminium panels depicting blossoming trees, have been pre-treated, powder coated and decorated by our Group companies using our special sublimation films.

The theme of the “garden in bloom” can also be found inside the building, guiding travelers through an amazing aesthetic experience. Pursuing excellence in constructions and public buildings has always been our goal and way to contribute to the realization of beautiful projects around the world.

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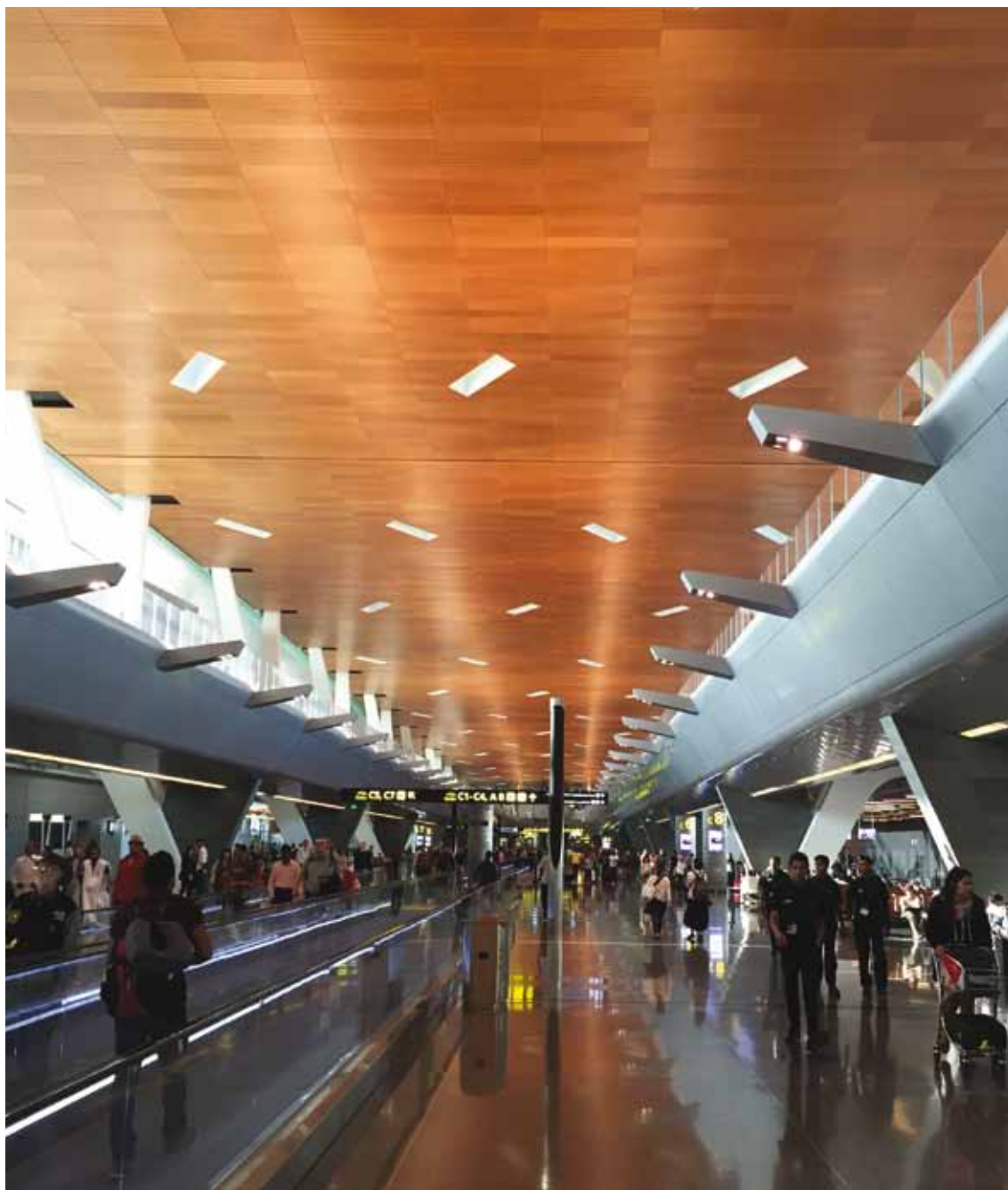








































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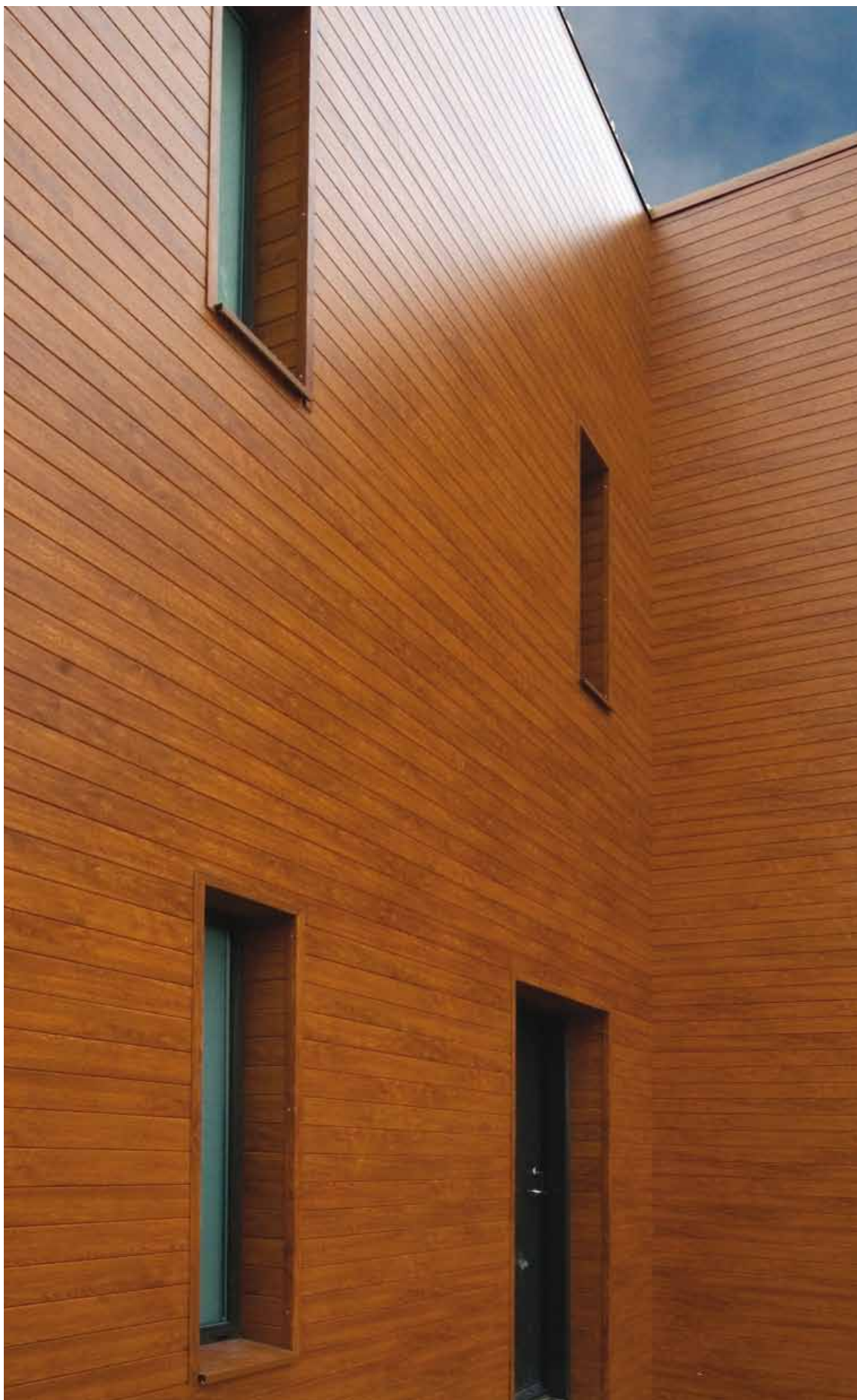




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TURNING NATURE INTO TECHNOLOGY

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