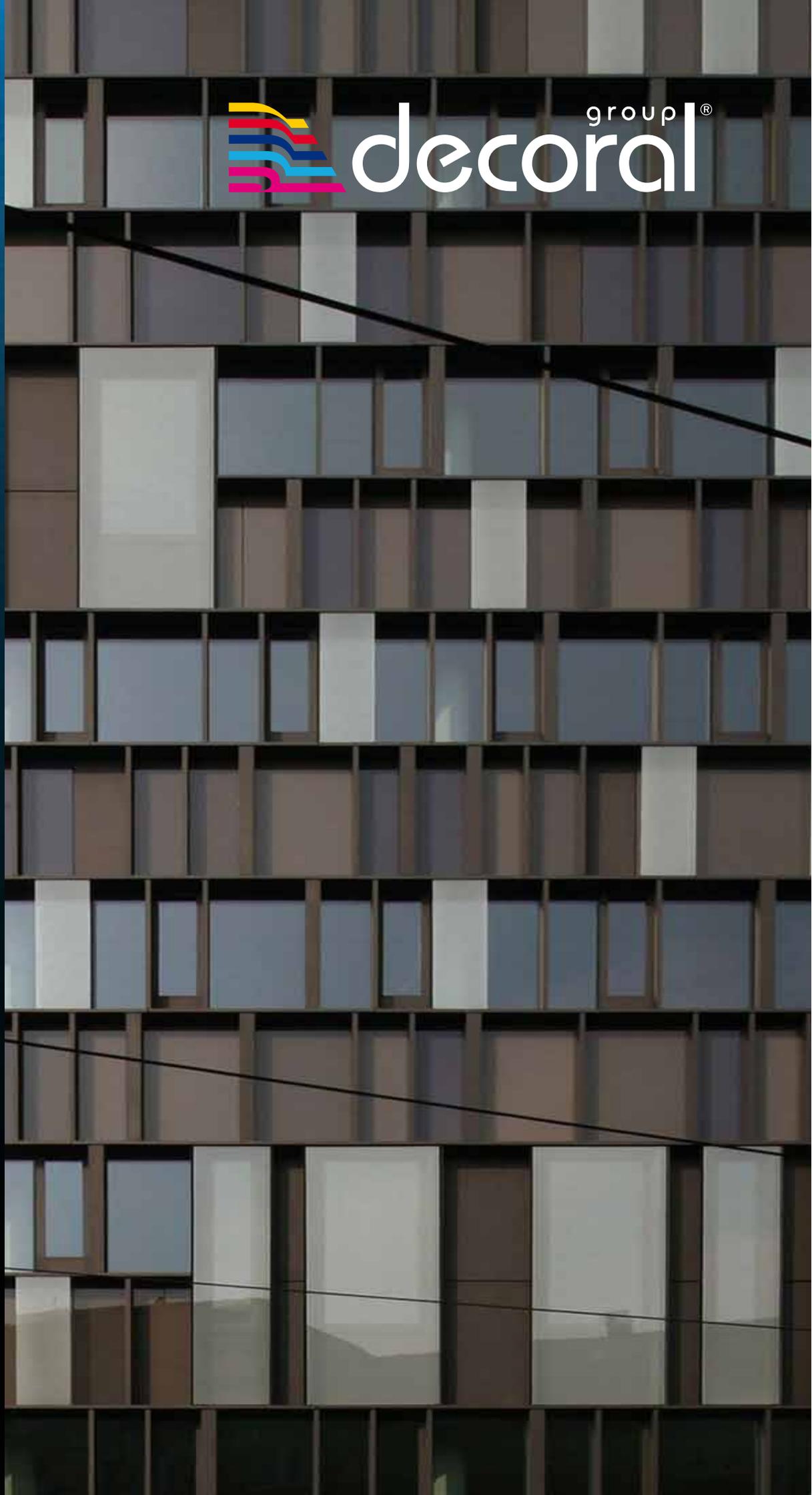


# CERTIFIED SUSTAINABLE FINISHES

LEED | BREEAM | WELL | CAM



group®  
decoral



# DECORAL® GROUP

WE COLOUR YOUR PROJECTS AROUND THE WORLD

The Group was established in 1974 with the aim of improving aluminium surface finishes from a qualitative point of view. Today our goal is to ensure comfort and a better quality of life in buildings, paying more and more attention to the production of raw materials and the application of finishes.

Inside our **Decoral® Lab** based in Verona, ongoing research and development activities carried out by qualified technicians allow us to test and certify everyday our products thus stimulating creativity and giving birth to new projects.

We have been offering **the most innovative finishes on the market**, all certified by **actual tests**, for more than 25 years. Therefore, **Decoral® Group has become a landmark in aluminium coating and decoration processes.**

## OUR **PRESENT** CHALLENGE FOR PLANET'S **FUTURE**

WE ARE PIONEERS IN THE FIELD OF **WOOD-EFFECT DECORATION** ON ALUMINIUM, WHICH HAS HELPED TO **PROTECT FORESTS FOR MORE THAN 25 YEARS.**



## WE ALWAYS USE **RENEWABLE ENERGY** TO PRESERVE NATURE

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



**4.553 SMQ** | TOTAL SURFACE 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 SAVED  
**594.893,20** | LITRES OF OIL SAVED





## LEED

**LEED®** is the most widely used green building rating system in the world, being applied on voluntary basis in more than 150 countries. It certifies the energy and sustainability performances of buildings. Assessment includes several factors like water and energy savings, reduction of CO<sub>2</sub> emissions, improvement of indoor environmental quality, materials used, accessibility to the site and so on.

### LEED® REQUIREMENTS

#### INDOOR AIR QUALITY ASSESSMENT (OPTION 2 AIR TESTING)

The aim is to reduce the concentration of chemical contaminants which may damage air quality, human health, productivity, as well as environment. Credit is mainly focused on volatile organic compounds (VOC) content of materials, VOC emissions in indoor air and also on test methods used to assess emissions (CDPH Standard Method, AgBB/DIBt and ISO 16000 for EU countries). Materials have to meet requirements in order to pursue credits.

### DECORAL® AND VIV GROUP PROPOSAL



**CREDIT  
UP TO 2 POINTS**

VOC-free powder coatings have been tested for VOC emissions according to **ISO 16000** and **IAC GOLD** standards.

The results achieved certify that finishes meet **LEED® v4** requirements. Moreover, as stated by French legislation concerning VOC emissions, Decoral® Group and VIV Group products fall into **A+ category**.





## BREEAM

**BREEAM**<sup>®</sup>, established in the UK to assess the environmental performance of buildings, recognizes and reflects the value in higher performing assets across the built environment lifecycle, from new construction to in-use until refurbishment. Ratings are based on several environmental factors and range from PASS, GOOD, VERY GOOD, EXCELLENT to OUTSTANDING.

### BREEAM<sup>®</sup> REQUIREMENTS

#### HEA 2 INDOOR AIR QUALITY

Within “Health and Wellbeing” category, credits can be achieved by meeting requirements related to volatile organic compounds (VOC) content of materials and VOC emissions in indoor air. This means that Decoral<sup>®</sup> Group and VIV Group finishes comply with BREEAM<sup>®</sup> protocol for VOC emission levels.

### DECORAL<sup>®</sup> AND VIV GROUP PROPOSAL



**CREDIT  
UP TO 1 POINT**

VOC-free powder coatings have been tested for VOC emissions according to **ISO 16000** and **IAC GOLD** standards.

The results achieved certify that finishes comply with GN22 standard: **BREEAM<sup>®</sup> Recognised Schemes for VOC Emissions from Building Products**.





# WELL

WELL® protocol, managed by the “International WELL Building Institute” (IWBI), is focused on health and mental wellbeing of those who occupy a built space. This system seeks to measure, certify and monitor all those building features that can compromise occupants’ health and wellness.

The adoption of this protocol enhances productivity and social responsibility, perceived by the company and the market.

## WELL® REQUIREMENTS

### WELL FEATURE 01: AIR QUALITY TESTING

WELL® requires the reduction of VOC emissions in the air, released by paintings and indoor finishes. Requirements based on American standards are equivalent to those of LEED® and BREEAM®.

## DECORAL® AND VIV GROUP PROPOSAL



**CREDIT  
UP TO 2 POINTS**

VOC-free powder coatings have been tested for VOC emissions according to **ISO 16000** and **IAC GOLD** standards.

The results achieved in accordance with the above-mentioned standards meet WELL® certification requirements on VOC limits of paints and indoor coatings and can obtain credits related to “Interior Paints and Coatings” category.





# CAM

Minimum Environmental Criteria (**CAM** in Italian) are environmental requirements related to the different stages of the purchasing process, aimed at finding the best design solution, products and services from an environmental point of view. The purpose of these requirements, which are applied to public tenders, is to reduce the environmental impact by selecting materials and services during their entire lifecycle.

## CAM REQUIREMENTS

### 2.3.5.5 MATERIALS EMISSION

It is necessary to provide specific information on products emissivity and verify the compliance with specified criteria by means of technical documents that must be presented to the contracting authority during the execution phase in the manner indicated by the relevant specifications. Emission assessment must be carried out according to CEN/TS 16516 or UNI EN ISO 16000-9.

## DECORAL® AND VIV GROUP PROPOSAL

VOC-free powder coatings have been tested for VOC emissions according to **ISO 16000** and **IAC GOLD** standards.

The results achieved certify that finishes are in compliance with the requirements set by the minimum environmental criteria. In particular, all the values shown correspond to and comply with A+ class established by the French legislation.





### OUR STRENGTH

- 95.000 SQM** | COVERED AREA
- 4 PLANTS** | VERTICAL POWDER COATING LINE
- 4 PLANTS** | HORIZONTAL POWDER COATING LINE
- 12 PLANTS** | SUBLIMATION
- 2 PLANTS** | OXIDATION AND BRIGHTENING
- 3 PLANTS** | POLISHING



### PRODUCTION CAPACITY

- 250 TONS /DAY** | ALUMINIUM TREATMENT
- 21 TONS /DAY** | POWDER COATING
- 190.000 SQM/DAY** | SUBLIMATION FILM



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