

sib

Sociedad Industrial
de Britagem de Pedra

www.sibland.pt
geral@sibland.pt

Rua São Luis Gonzaga N°50 Padrão.
Apartado 303, 2416-903, Leiria | Portugal
Tel.: +351 244 744 431 | Fax: +351 244 744 500

CENTRO 

mais
CENTRO
Programa Operacional Regional do Centro

 **PORTUGAL**
2020

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 **UNIÃO EUROPEIA**
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FLOORING SOLUTIONS BY
sib Sibland

SOCIEDADE INDUSTRIAL DE BRITAGEM DE PEDRA

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MICRO-CEMENT

Micro Cement is a decorative cement mix, made to create a smooth and soft concrete look and ideal for modern and contemporary spaces. Micro-cement is a very versatile product and can be applied on walls, floors, stairs and furniture, both indoor and outdoor. Micro-cement can be made in all colours and a skilled craftsman can create effect full continuous walls and floors using micro-cement.

The great advantage of micro-cement is that it can be applied over almost any existing material from ceramics, marble, wood, concrete or tiles. Micro-cement is a fast way to renovate a space without causing disorder, dirt or involving traditional construction work. It is a modern and tasteful alternative for rapid implementation and easy maintenance.

The Metallic stucco is thinner than the micro-cement and is made to create metallic glitter effects like gold and silver on wall surfaces.

EXTREME FLOW:

Extreme Flow is a self levelling overlay in the Extreme product range. Like the other products in the Extreme Series, Extreme Flow high excels in its wear resistance and the combination of these 4 characteristics

1. No shrinkage or contraction
2. Extremely high compressive strength C 60 N/mm²
3. Extremely high flexural strength F 13 +
4. High Abrasion Resistance from Böhme A5 to A 1,5

These unique technical characteristics are achieved in application of the material in only 10 mm thickness.

Extreme flow can also be applied seamless and being a self levelling overlay it is pumpable, which makes it easy and fast to apply. Extreme Flow is used for the creation of colour uniform floors.

DOMESTIC FLOORING

Our flooring systems give complete architectural freedom to design everything from a plain clear white concrete floor to coloured concrete with multi-coloured aggregates.



FLOORING FOR RETAIL & OFFICE USE

We add aggregates to make terrazzo and the client has complete freedom to choose the quantity and size of the aggregates. The aggregate mix can be as high as 80% of the total cement mix.



TERRAZZO

SIBland produced aggregates are extremely hard wearing and these have played an essential part in our business since the foundation of the company in 1974. Today, our core business is still the production of materials for hard wearing floor surfaces.

As a result of our many years of experience, we are now used to creating custom designed terrazzo mixes for both business and private customers.

Today the materials are more complex and we use a lot more variations of aggregates to make unique and interesting terrazzo mixes, into which we can also incorporate a wide range of recycled aggregates.

Glass aggregates are made in almost all colours. All glass aggregates are made from recycled glass and we also have a wide range of aggregates made from everything from sea shells to broken car mirrors.

Since we crush the aggregates ourselves, the size can be made to meet the designers' requirements and can be mixed to contain different colours, sizes and materials. This allows us to meet both the engineers' technical specifications and the creative demands of the architect or designer.

EXTREME TROWEL RANGE

Extreme Trowel is an ideal material for the restoration of concrete floors for industrial use. With Extreme Trowel you can create a completely new concrete surface with only 10-12 mm thickness over the existing old concrete floor.

Due to its extremely high wear resistance, Extreme Trowel is the ideal material to withstand daily heavy duty industrial use and over time, you will see increased wear resistance compared to the old concrete floor.

The restoration of old floors can be carried out by placing as little as only a 10mm thickness over an old floor base. It is possible to mill or blast 10mm out of the old floor and install the new floor without any height difference.

Due to the extremely high flexural strength of the material and near zero contraction, you will be able to reduce the amount of joints in the concrete floor and depending on the environment, it is even possible to make totally jointless surfaces.

FLOORING FOR INDUSTRIAL USE

Extreme Trowel is a specially formulated overlay created to achieve a troweled finish with focus on abrasion resistance for industrial use and is the ideal product solution for the renovation of factory and warehouse floors.



FLOORING FOR USE IN PUBLIC SPACES

We combine architectural freedom and the highest possible quality of surface. We custom design the floor material for every project and we can produce concrete mixes in all RAL colours



EXTREME STYLE RANGE:

Our Extreme product range combines abilities that make it possible to create truly seamless high performance Terrazzo floors. Extreme Style is classified as an ultra high performance concrete.

Extreme Style excels because of its combination of these 4 characteristics

- No shrinkage or contraction
- Extremely high compressive strength C 100 N/mm²
- Extremely high flexural strength F 20 +
- High Abrasion Resistance from Böhme A5 to A 1,5

One of the biggest advantages of this product is that these unique technical characteristics can be achieved in as little as a 10 mm thick application.

As Architectural Concrete, it gives almost infinite design possibilities, without compromising the quality. It is possible to make joint free and crack free floors in very large areas and you can work with the entire RAL colour range in the cement mix and play with the size and quantities of the aggregates. Logos and inserts can be put into the floor and all these options can be combined.

Due to its technical performance, Extreme can be used in heavy industrial applications and with the addition of special hard aggregates Extreme will even withstand heavy truck traffic, belt vehicles, AGV (automatic guided vehicles) etc.

DUROFLEX:

Duroflex has been tested with hydrocarbon products and combined heavy traffic use and as a result is certified to be used in places with high hydrocarbon levels. The resin binds extremely well to asphalt and the hard wearing aggregates can withstand heavy traffic including trucks and other vehicles.

The extremely fast curing time of Duroflex makes it possible to have the treated areas open to traffic just 1 hour after the application. This makes it possible to make slip resistant ramps or or carry out the repainting of roads in a very short timeframe.

Duroflex is ideal for all kinds of slip resistant outdoor flooring. Depending on the grain size of the aggregate spread and the way the surface is treated or ground, it is possible to create any surface texture from smooth to very rough. On a pool deck for example, you would use small aggregates that makes it comfortable to walk on with bare feet. In contrast, on stairs, walkways and cycle paths you would use something a little rougher.

The combination of coloured resin and hard wearing decorative aggregate means that Duroflex can give you a lot of different possibilities in design from multi-coloured playground surfaces to a natural stone look.

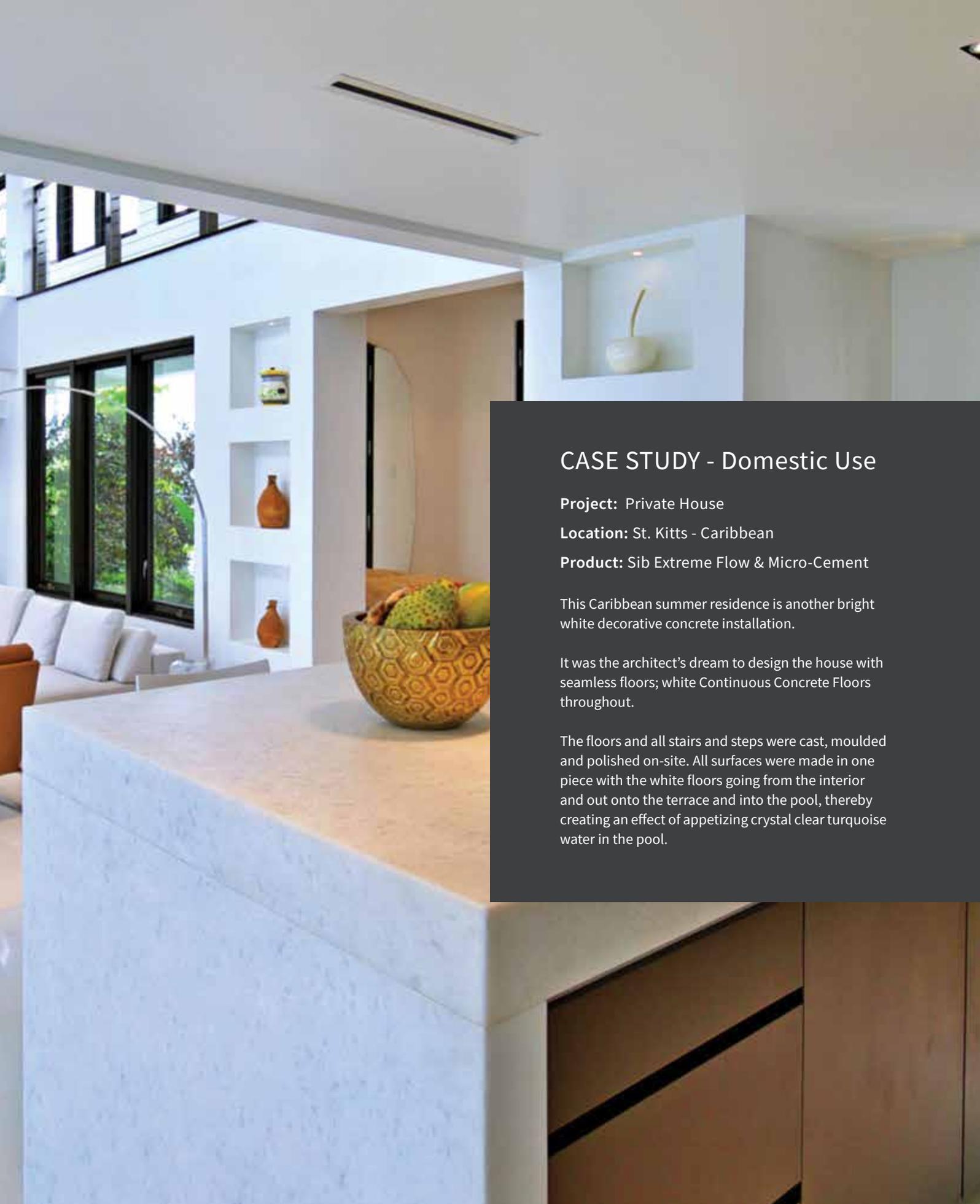
No matter how heavy the use is, Duroflex can be adapted to your requirements.

The image shows a variety of exterior flooring materials. On the left, there is a red textured surface, possibly a safety mat. In the center, there is a grey stone-like surface with a grid pattern. On the right, there is a yellow textured surface, also with a grid pattern. The background shows a building and a fence.

EXTERIOR FLOORING

Duroflex can combine coloured resin and hard wearing decorative aggregate to give you a lot of different design possibilities from multi-coloured playground surfaces to a natural stone look.





CASE STUDY - Domestic Use

Project: Private House

Location: St. Kitts - Caribbean

Product: Sib Extreme Flow & Micro-Cement

This Caribbean summer residence is another bright white decorative concrete installation.

It was the architect's dream to design the house with seamless floors; white Continuous Concrete Floors throughout.

The floors and all stairs and steps were cast, moulded and polished on-site. All surfaces were made in one piece with the white floors going from the interior and out onto the terrace and into the pool, thereby creating an effect of appetizing crystal clear turquoise water in the pool.

CASE STUDY - Retail Use

Project: Large retail store

Location: Madrid - Spain

Product: Custom terrazzo Extreme Style

Zara's flagship store in the heart of Madrid at C/Serrano 23 is a perfect example of how to use a continuous terrazzo floor in modern shop architecture.

The floor is placed on a cement screed over the metallic structure. The fact that there are no cracks in more than 3000 m² of floor is a real proof of how much stress our Extreme floor can take. The floor is a 12mm thick continuous terrazzo mix. The aggregates, a blend of recycled glass and natural stone from the village where Zara was founded, combined with the straight lines of decorative brass joints makes an elegant and sophisticated surface.

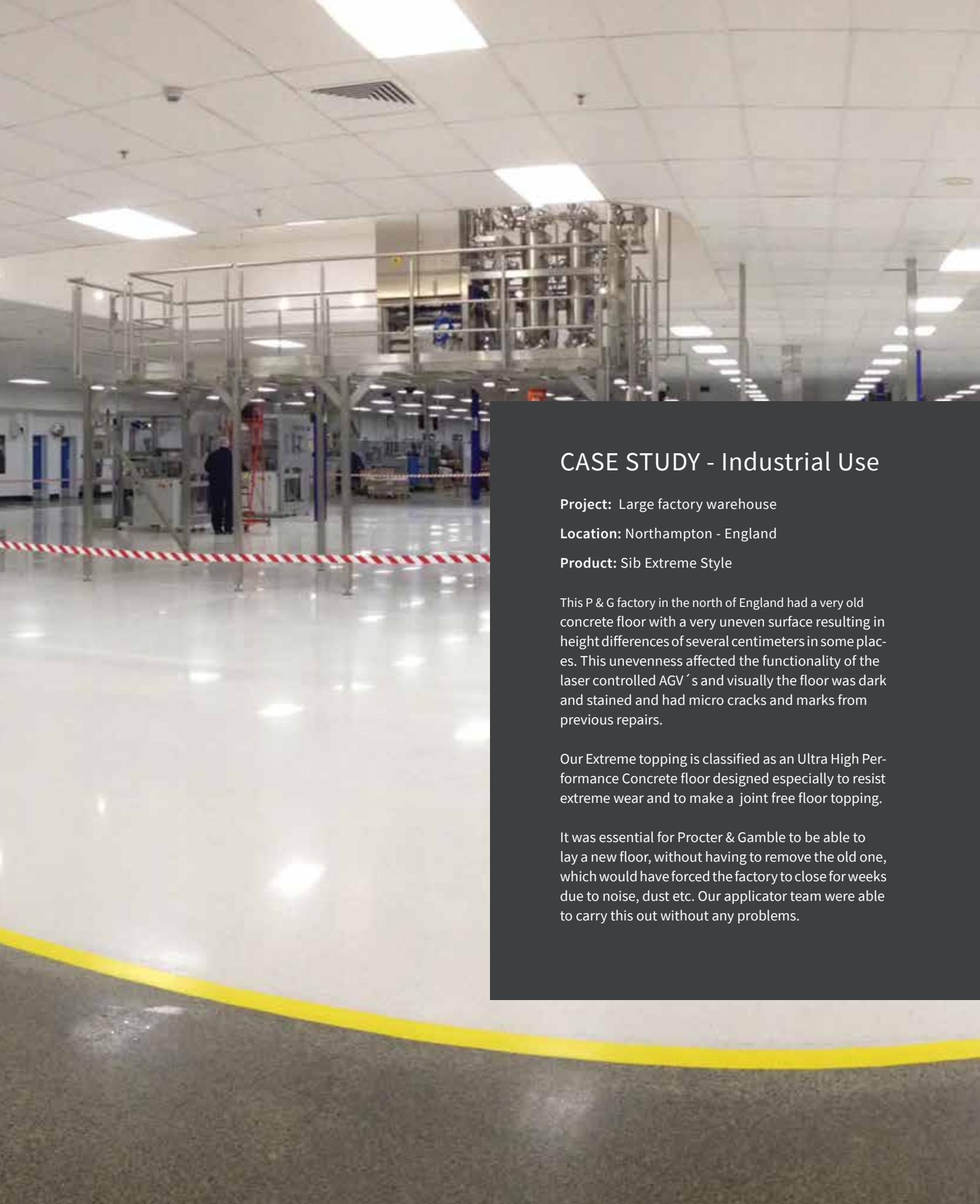
Being totally jointless, the floor with its neutral light grey colour and light satin glow creates harmony and provides balance and calm when contrasted with the big white surfaces of the ceiling and wall panels. The perfection of the floor design is reflected in such details as the faint change in colour and aggregates to differentiate the men's department from the women's. This change is made with such elegance and subtlety that you only notice an almost imperceptible change of light and ambience. Even the floor plugs have been covered with a cap made with the flooring material, so they completely merge into the smooth surface.





MADE IN SEATON





CASE STUDY - Industrial Use

Project: Large factory warehouse

Location: Northampton - England

Product: Sib Extreme Style

This P & G factory in the north of England had a very old concrete floor with a very uneven surface resulting in height differences of several centimeters in some places. This unevenness affected the functionality of the laser controlled AGV's and visually the floor was dark and stained and had micro cracks and marks from previous repairs.

Our Extreme topping is classified as an Ultra High Performance Concrete floor designed especially to resist extreme wear and to make a joint free floor topping.

It was essential for Procter & Gamble to be able to lay a new floor, without having to remove the old one, which would have forced the factory to close for weeks due to noise, dust etc. Our applicator team were able to carry this out without any problems.

CASE STUDY - Public space

Project: Public museum/Arts centre

Location: Lisbon - Portugal

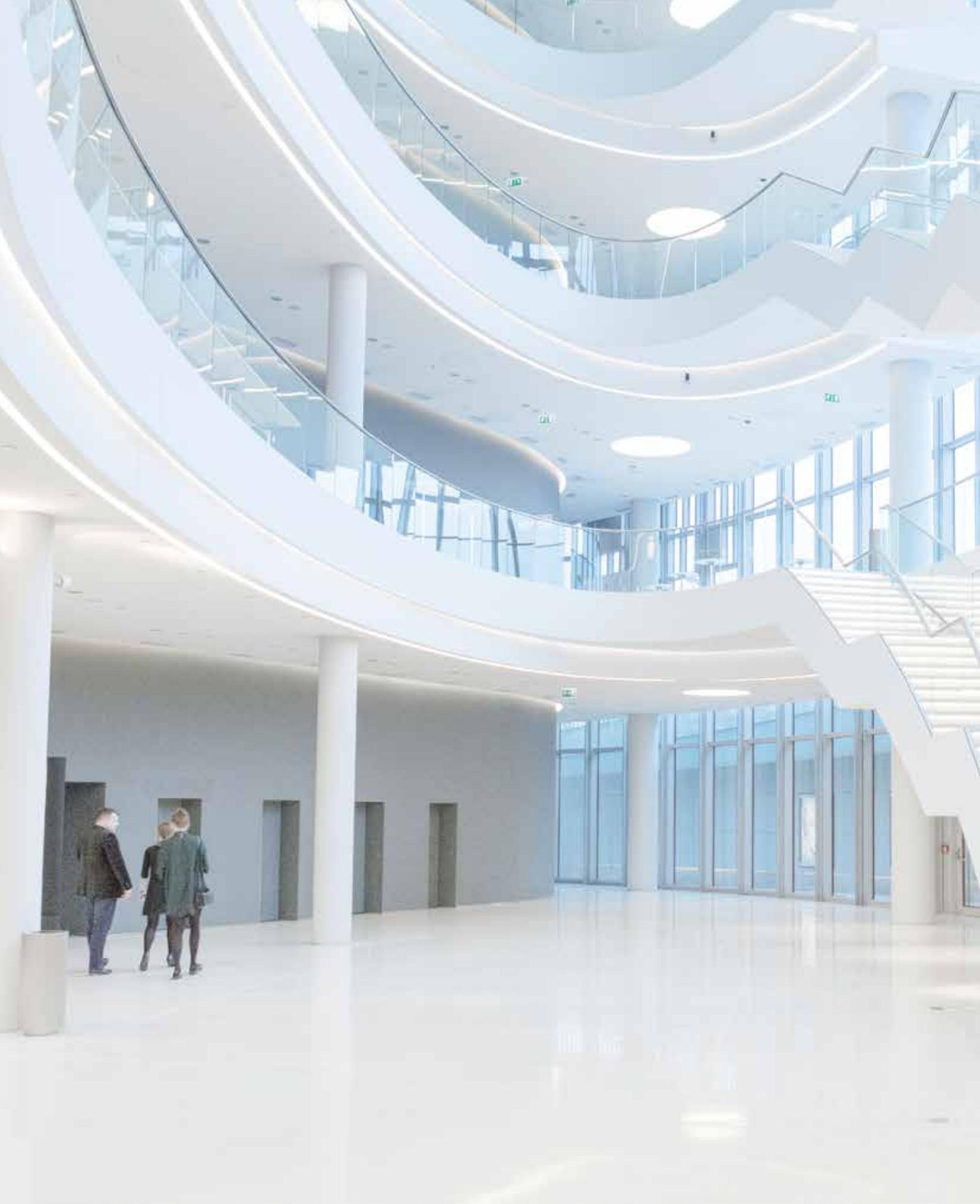
Product: Sib Extreme Flow

MAAT (the museum of art architecture and technology) is a new institution designed by Amanda Levete on the banks of Lisbon's river Tagus.

Led by director Pedro Gadanho, MAAT will explore contemporary culture through visual arts, new media, architecture, technology, and science.









REFERENCES

CEDROB

AUCHAN

ZARA

NIKE

PINI

POLINIA

ICE KRAKAW

LIDL

CASTORAMA

EUROCASH

FM LOGISTIC

LEROY MERLIN

PKP CARGO

ASP

CONTINENTAL

BONARKA CITY

DSS

SMITH

PROMA

MONDI

FUNDATIO CHAMPALIMUD

DECATHLON

IKEA

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ALVALADE XXI STADIUM

LUZ STADIUM

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