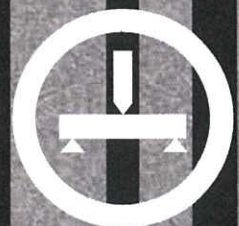




EUVAL[®] BWS

BETONWERKSTEIN



DIN V 18500

Solutions for a new architecture

Kinwick Materials Limited - Wilson Fung 92303714

Email: wilsonfung168@hotmail.com

EUVAL[®] terrazzo is a modern and ecological product manufactured using white cement and marble chips without any chemical substance.

EUVAL[®] terrazzo is the best choice for tiles and stairs of schools, airports, stations, trade centre, hospitals, but also for residential buildings, museums, hotels ect.

EUVAL[®] terrazzo offers to the customer many **advantages** such as:

- **Uniformity of colours** also on big surfaces
- **Competitive prices**
- The possibility to create **special mixture-colour** for your project
- A **MADE IN ITALY** product
- A product with only **natural matter** without any chemical substance.



The leading mark for terrazzo in Europe



School Königsbrunn (D)

Our Terrazzo

All EUVAL® terrazzo's production phases take place in our company Euragglo in Lugo di Grezzana – Verona – Italy, allowing us to offer to our customer the following advantages:

- Best **quality controls**
- **Speed delivery terms**
- **Competitive prices** on market
- **Flexibility**

EUVAL® is for over 20 years the leading mark of terrazzo in Europe. The product is manufactured under constant quality controls of our high-qualified staff and is certified by the German institute Güteschutz Hessenbeton e.V. in Wiesbaden, in accordance with the high quality standard of **DIN V 18500**.

White cement and marble chips of various colours are dosed, mixed and transformed into large rough blocks of size 305x125x85cm or 305x140x85cm.

After ca. 28 days the blocks become completely hard, and then they can be cut in rough slabs, tiles, skirtings and cut to size.





Certifications: DIN V 18500 - LEED®

EUVAL® terrazzo comply with the high quality standard of norm DIN V 18500, and the quality of the product is checked by the German institute Güteschutz Hessenbeton e. V. in Wiesbaden.

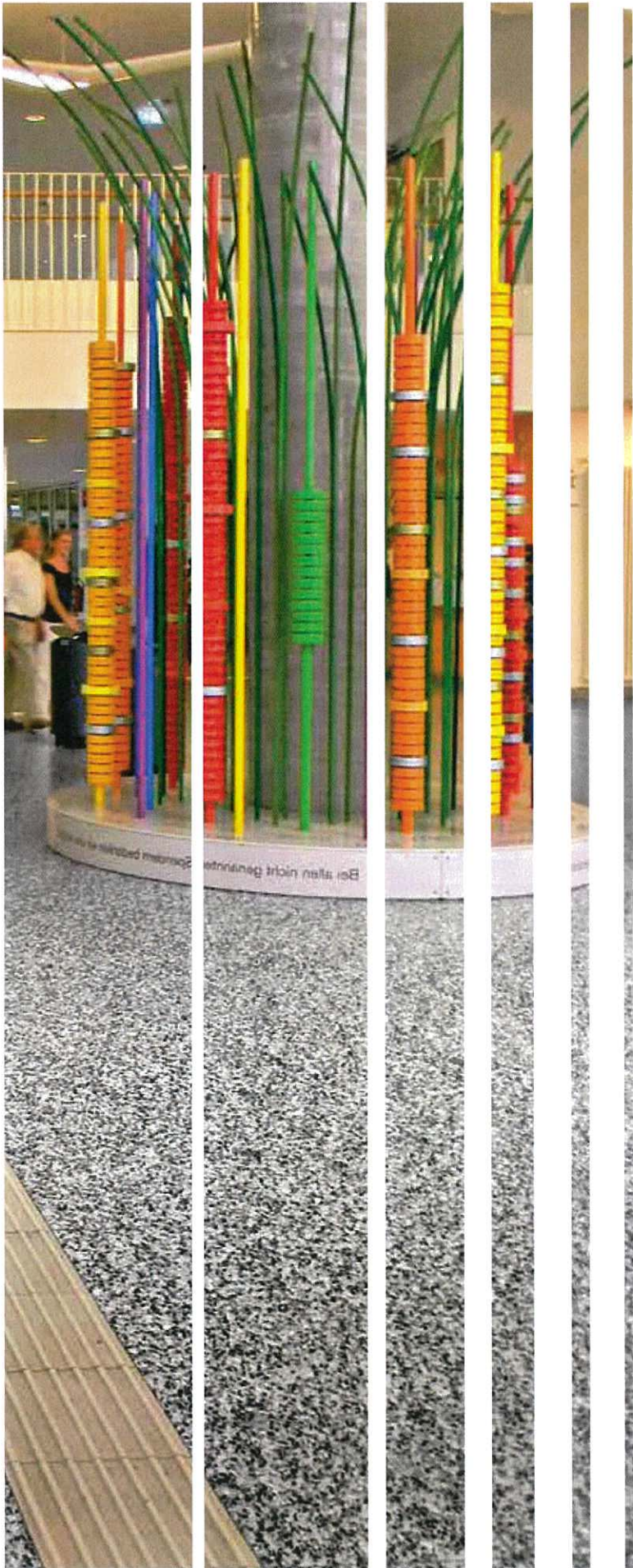
EUVAL® terrazzo is non-flammable and satisfies the fire class A1. In case of fire, the material does not release harmful substances.

EUVAL® terrazzo has also obtained the conformity certificate to the LEED® system, with a percentage of recycling material pre-consumer from 75% to 85%.

In new buildings architects and designers choice high quality materials with a LEED® certification, that satisfy not only the aesthetic standards, but have also an added value: the eco-sustainability.







Dynamic and modern building realized with the material SM199, an exclusive special mixture produced only for this project.

On stairs were realized some particular contrast strips that give high optical effect through the game of contrast between white and black.

Details	
3880 m ²	Tiles 40x40x2cm
2340 m	Winkelstufen



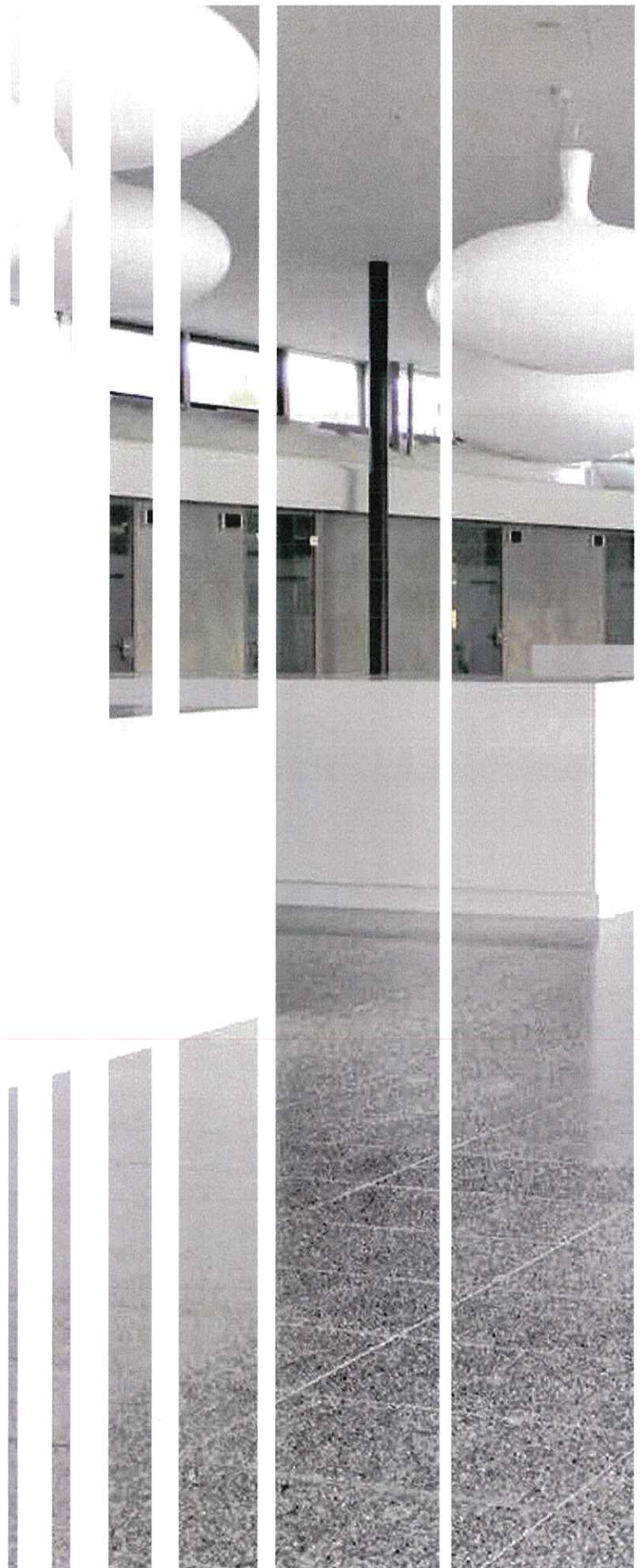
SM
199

Elegance and modern design are the characteristics of this new building. The neutral grey shade of the material 92.80 Grebi is in harmony with the modern and stylish furnishing.

Details	
5370 m ²	Tiles 60x30x3cm
230 m	Winkelstufen



◀ **92.80**
Grebi



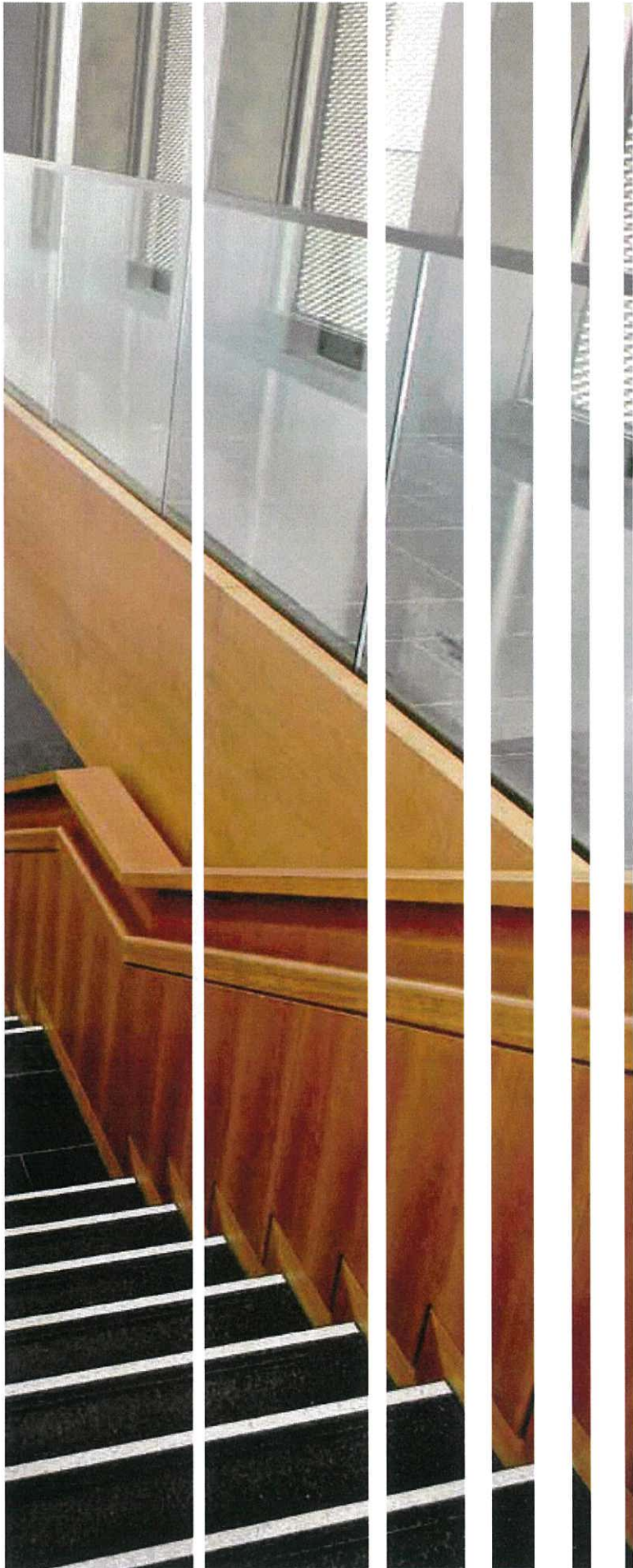


Surgical clinic Ulm (D)

9



Theatre Reutlingen (D)



In Reutlingen theatre was laid the material SM217, a special mixture created to achieve the hardness class 1. For this reason, the special mixture SM217 is the perfect solution for large commercial areas with high foot traffic. For the realization of the floor, were used 7 different size, to create an irregular geometric effect. Anti-slip safety and optical contrast are guaranteed on the stairs through the application of 2 anti-slips profile in PVC and a white contrast strip.

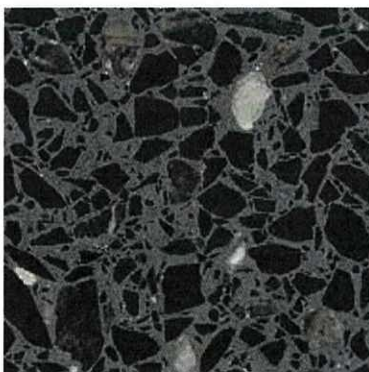
Details	
3960 m2	7 different size
1450 m	Winkelstufen



SM ►
217

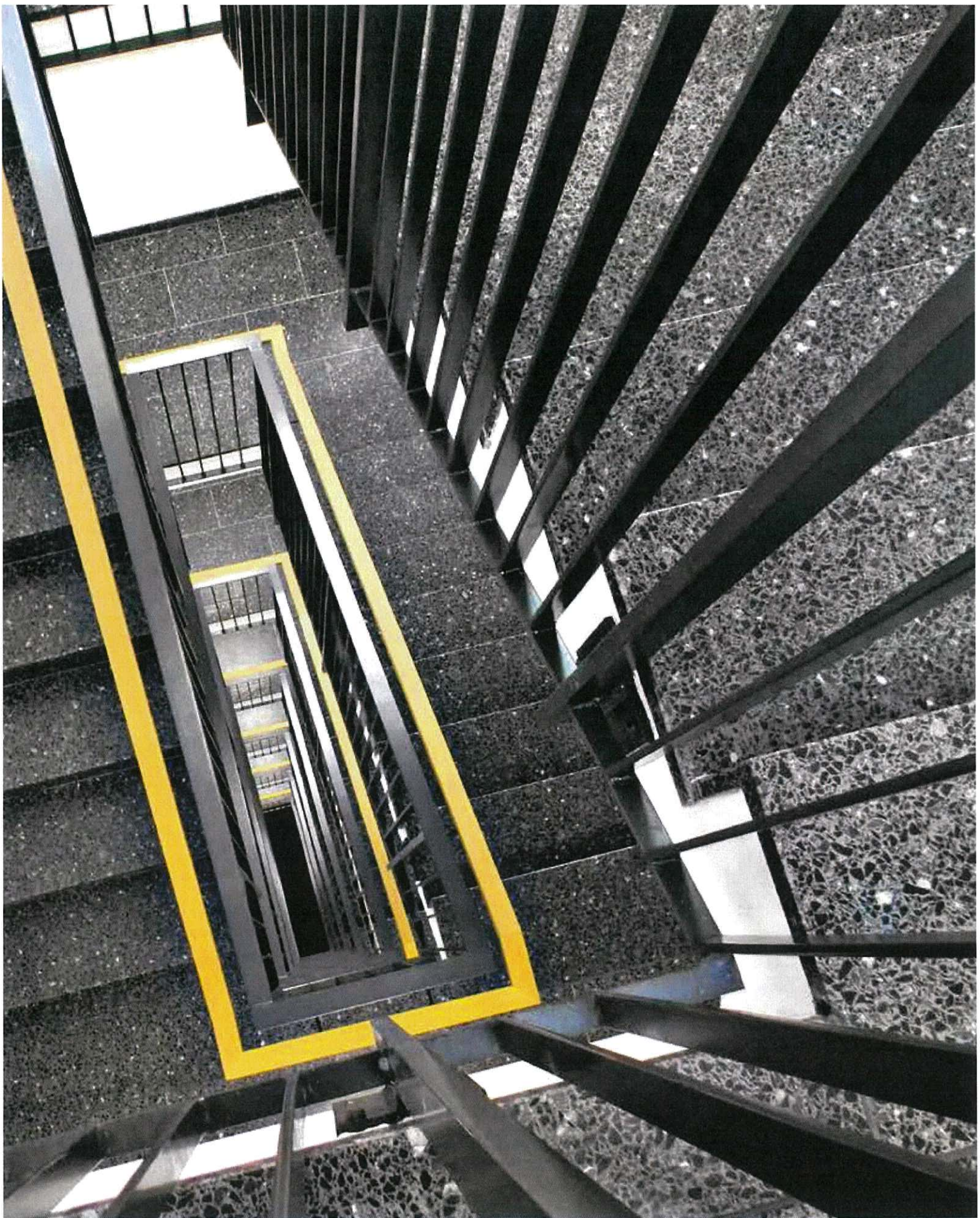
This modern building in Stuttgart centre was built with the material 99.50 Bilak. The anthracite black material laid on stairs and floors, gives to this 7-floors office building an essential and modern character.

Details	
1200 m ²	Tiles 60x30x2cm
1650 m	Winkelstufen



◀ **99.50**
Bilak





Pariser Höfe Stuttgart (D)

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Our materials source of inspiration for your projects

EUVAL[®] terrazzo collection offers a wide range of **25 colours**, included the known materials **92.30 CARGREY[®]** - **92.40 ESCO[®]** - **93.70 PIRA[®]**, exclusive colours with registered name that you can find only by EUVAL[®] terrazzo.

By EUVAL[®] you can also find 2 new collections dedicated to the project world with a total of 12 new colours.

The **abrasion collection** is the result of careful study of the technical characteristics of the row materials, in order to achieve a product with high technical performances. The abrasion resistance is the feature of this collection. The test results in accordance with the DIN V 18500 standard certifies that all this materials reach the hardness class 1 of the abrasion resistance class. The materials of abrasion collection are the perfect solution for large commercial areas and all other areas subjected to high foot traffic.

The neutral tones of **essential collection** allow to create areas in perfect balance between simplicity, functionality and design.

For some projects through the architect creativity and our experience, we can also create different special mixture, new colours for the realization of exclusive and uniqueness projects.



◀ **81.30**
Schibas



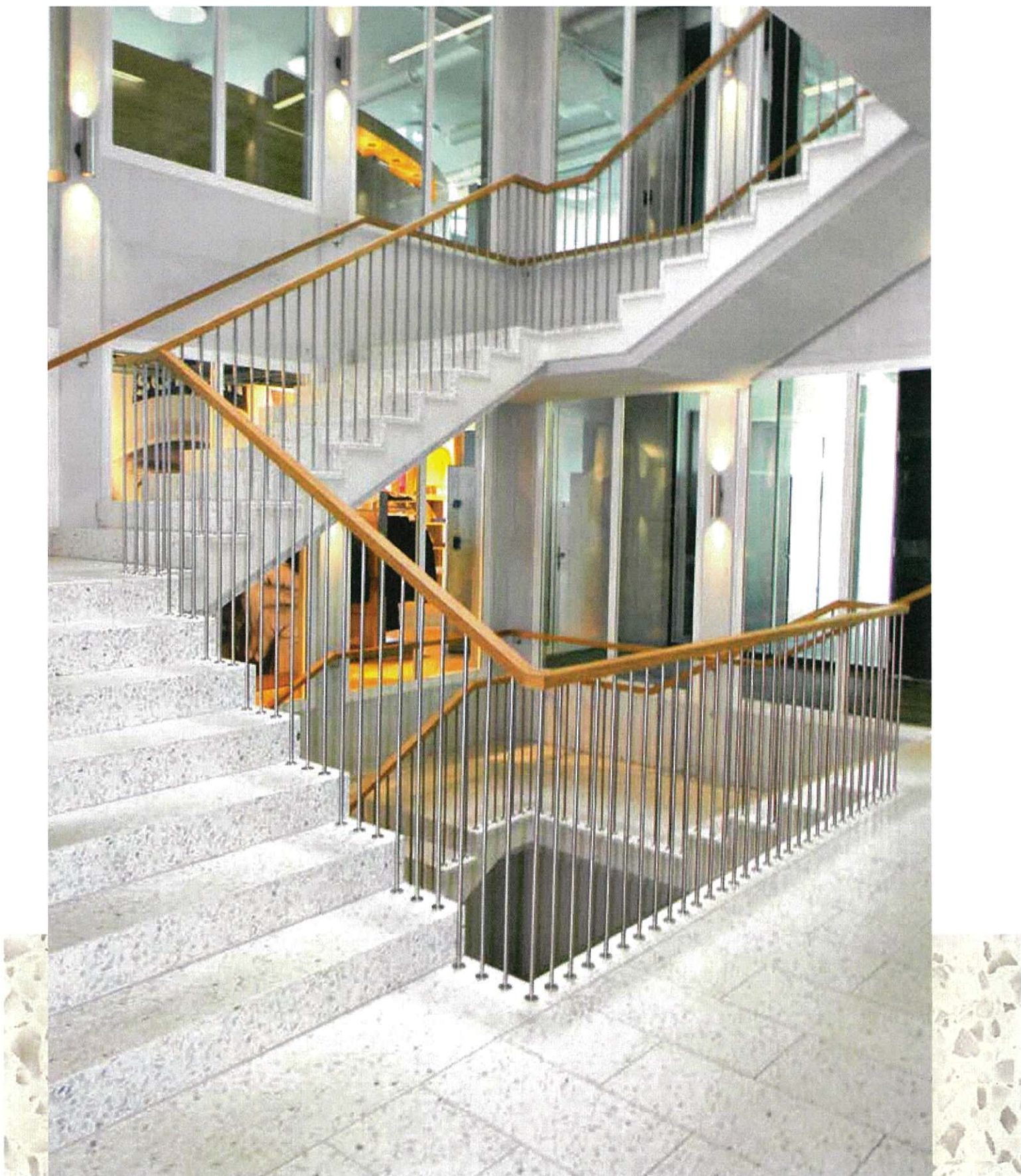
◀ **81.50**
Boska



◀ **92.90**
Legrey

92.50
Carbi





Shopping mall Hünenberg (CH)

15



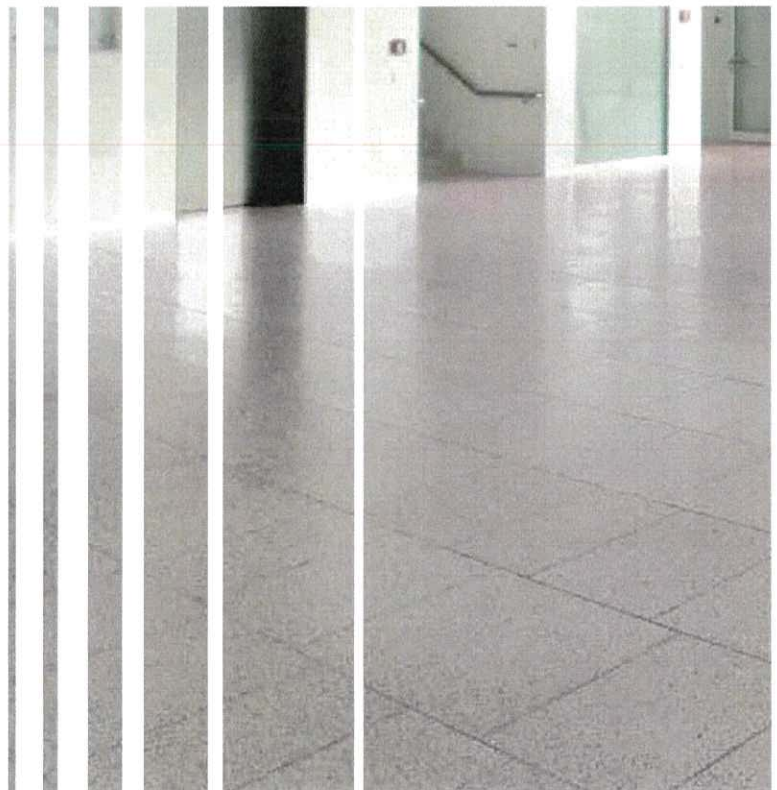
Slabs

Through modern machines, the blocks are cut in slabs of the required thickness:

Size	305 x 125 cm	305 x 140 cm
Thickness	from 2cm to 6cm	

The slabs are then worked in the required surface, as follow:

Surface	Place of use
Honed R9	entrance, stairs and tiles, of schools, hotels, public buildings
Brush R9	
Polish	
Honed R10	toilets, changing rooms, kitchen, laundry
Sandblasted R11	building site, parking





Tiles

Through modern machines, we can produce tiles of various size with a capacity of over 700 m2 per day.

Our standard size and thickness are the following:

Size	50 x 30 cm
	60 x 30 cm
	60 x 40 cm
	30 x 30 cm
	40 x 40 cm
	60 x 60 cm
	50 x 50 cm
Thickness	2 cm
	3 cm
	4 cm
Other size and thickness by request.	

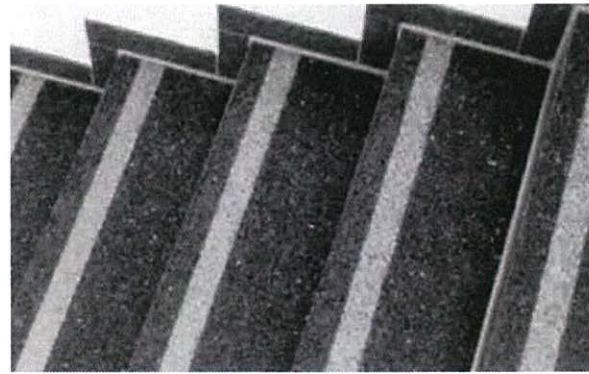
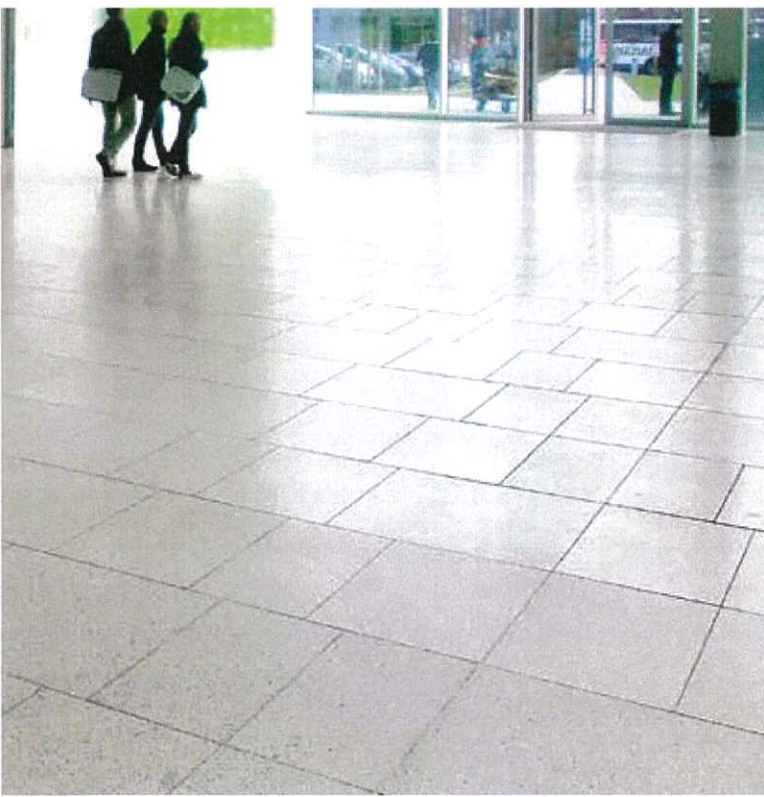
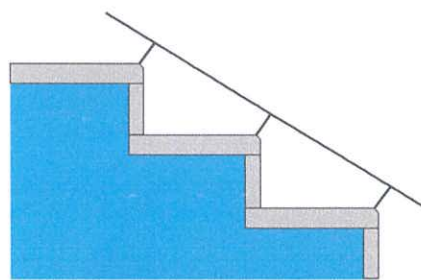
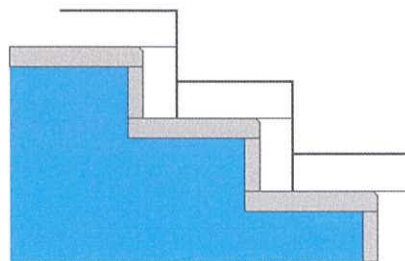


Skirtings

Our standard size for skirting is the following:

Size	50 x 7 cm
Thickness	1 cm
Other size and thickness by request.	

For your stairs we can produce customized stairs-skirtings.





Cut to size

In the cut to size department are produced with precision machines and the manual skills of our high qualified staff:

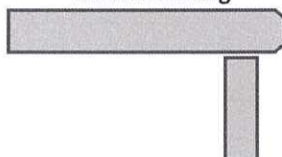
- stairs
- threshold
- landings
- winkelstufen
- facade
- windows sills

with a capacity of over 500 stairs per day.

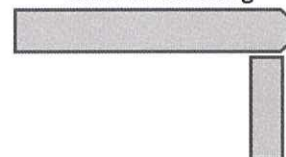
Size	From your measurement
Thickness	Cut to size: from 2cm to 6cm
	Cut to size glued: 2+2; 3+3; 3+4; 4+4cm
	Other size and thickness by request.



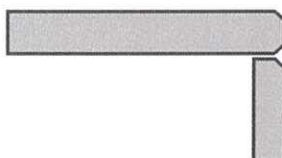
Treads with
risers recessing



Treads and risers
on bevel recessing



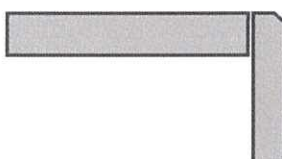
Treads with V bevelling



Treads laying
as winkelstufen



Risers in front of treads



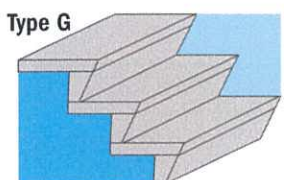
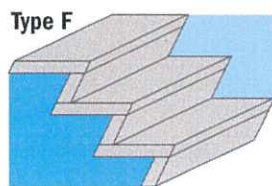
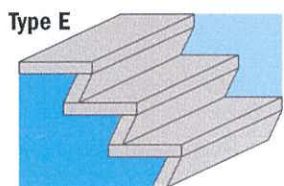
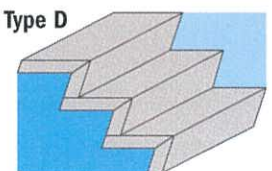
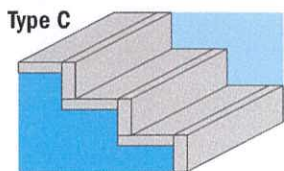
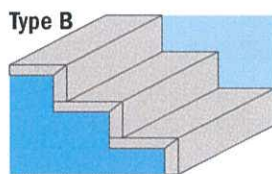
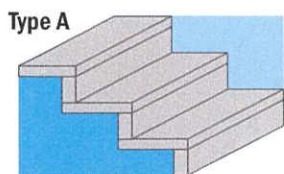


Winkelstufen



Winkelstufen: treads and risers glued as Winkelstufen

With winkelstufen (treads and risers glued as winkelstufen) the customer can choose between different glued systems.

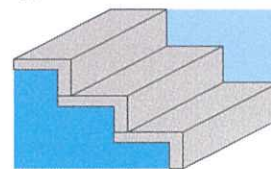


Winkelstufen monoblock

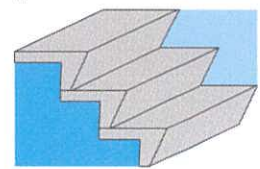
As alternative to the precast winkelstufen, we offer the winkelstufen monoblock.

The winkelstufen monoblock is cut directly from the block with the advantage of a same colour of tiles and skirtings, because it is realized from blocks of the same charge.

Type M100

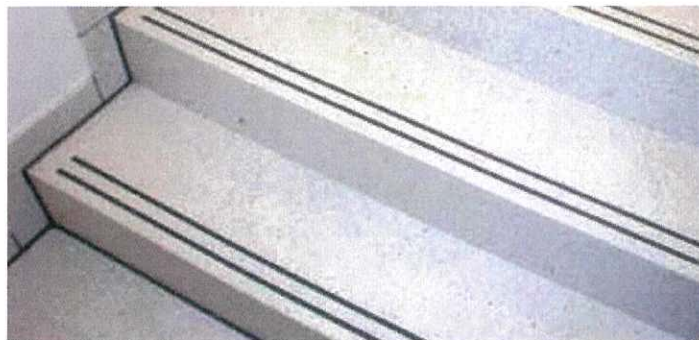


Type M200



Size	From your measurement
Thickness	from 4cm to 6cm
	Other thickness by request.





Anti-slip systems

The anti-slip systems on stairs increase the anti-slip properties and can give them also an optical contrast. In our sale program, you can choice between a wide range of anti-slip systems:



Anti-slip PVC profile

Colours possibility	for ex. black, grey, beige u. brawn
Size (for Type 180)	ca. 1 cm width
Distance	by request (for ex. 3cm from edge, 5-10cm from heads)

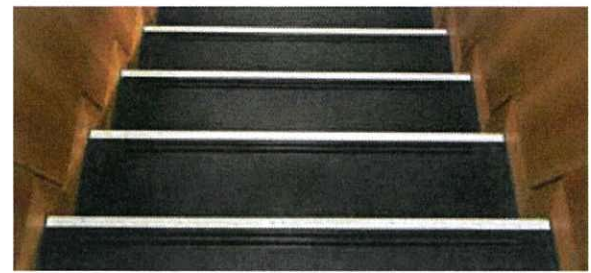
Anti-slip safety and optical contrast are guaranteed.



Sanding strip

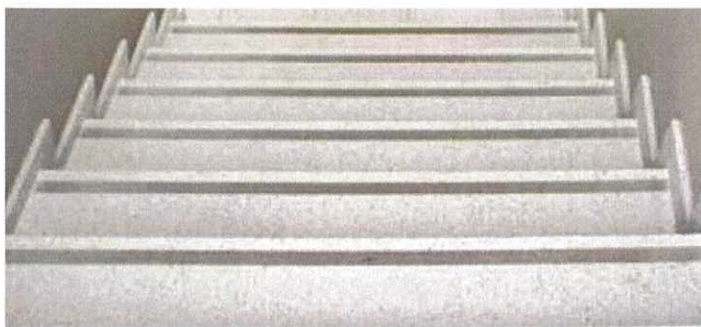
Size	by request (for ex. 5cm width)
Distance	by request (for ex. 2-3cm from edge, 5-10cm from heads)





Steel blade	
Size	ca. 2mm projection ca. 3mm thickness
Distance	by request (for ex. 2-3cm from edge, 5-10cm from heads)

Contrast strip	
Size	by request (for ex. 5cm width)
Distance	by request (for ex. 2-3cm from edge, 5-10cm from heads)



Carborundum strip	
Size	by request (for ex. 3cm width)
Distance	by request (for ex. 2-3cm from edge, 5-10cm from heads)

Anti slip cuts	
Size	ca. 5mm width und 2-3mm deep
Distance	by request (for ex. 2-3cm from edge, 5-10cm from heads)

Anti-slip safety and optical contrast are guaranteed.

All this anti-slips can be executed in various systems: continuous, with 1 standstill or with 2 standstills to the heads.

Anti-slip samples

continuous	1 standstill left	1 standstill right	2 standstills

Laying instructions



EUVAL[®] terrazzo is an aggregate of marble chips and white cement, composed by a single layer of material. In order to lay correctly the material must be follow the directives in accordance with the DIN18333 and DIN 1053 standards.

We would like to draw your attention specifically to the following points: the foundation must be clean, free from humidity and oil and the foundation shouldn't be ice and without cracks.

To avoid humidity problems is very important before laying the material to let dry the pieces, for example on a wall.

Laying tiles with EUVAL[®] terrazzo

Tiles:

size ≤ 50x75cm lay on full surface,
 size > 50x75cm lay on mortar strips.

Before laying, the foundation and the underside of the tiles must be cleaned. In order to achieve better adhesion between tiles and mortar bed, the material can be treated with a special bonding emulsion. The mortar should be "plastic" and not too dry, so as to be able to level the tiles flush.

After laying, let wet the tiles. To prevent not uniform drying, tension and cracks, it is recommended to cover the tiles with a polyethylene sheet. It's very important that the material is not subjected to air currents.

The width of the tile joints should be 3mm. By tiles with measure over 60cm length, the width of joints should be 5mm. Before grouting the joints, they should remain open for at least a week. Once this period has passed, they should be filled with jointing mortar (ready mix jointing mortar or a mix of quartz, sand and cement).

Laying Steps with EUVAL[®] terrazzo

It's important to lay steps without tensions into only 2 strips mortar with a width <15cm.

Full surface laying or mortar strips >16cm can cause cracks, especially in case of fine chips materials.

Warning: For steps with a length over 110cm, the mortar strips must be placed more inside (at approx. 1/6 of the total length). In order to ensure possibility of expansion, joints with walls must not be mortared. Between treads and risers the width of joints should be 2mm. So is ensured the mobility of the stairs. Skirting should be laid separately from floors or steps.

[The following instructions should be considered guidelines and are not binding]

Care and maintenance



First cleaning

Post-laying cleaning is very important to secure a lasting beauty and to maintain the high value of the material over many years. An inadequate or late first cleaning can alter the surface appearance.

For the protection and maintenance of EUVAL® terrazzo, we advise MÖLLER CHEMIE products. You can contact directly your local retailer. For more information you can visit the web-site www.moellerstonecare.eu

Impregnation

Our experience of over 30 years and that of many layers shows the importance of laying untreated materials. Before filling and treating the terrazzo, it is necessary that the material become completely dry.

The impregnation of material before the laying is not recommended, because the humidity of the material and of the mortar can't dry uniformly, but only through the open joints.

The consequences of a not uniform drying can be difference of colours on the surface and cracking. The times for the completely dry of the material are approximately from 4 to 6 weeks. This wait times are only indicative and can change depending on weather and circumstances of the project.

Regular cleaning

For a daily cleaning we advise to use only hot water with a ph neutral detergent, without additives.

EUVAL[®] 
BETONWERKSTEIN DIN V 18500


EURAGGLO[™]
EUVAL Betonwerkstein

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