


The System **Plural plus** 1 2 3  
Surfaces, formats, colours:  
Creativity <sup>3</sup>





Traditionally professional ►

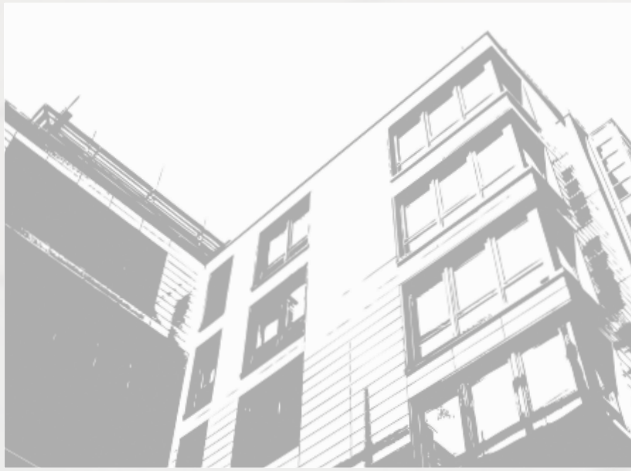




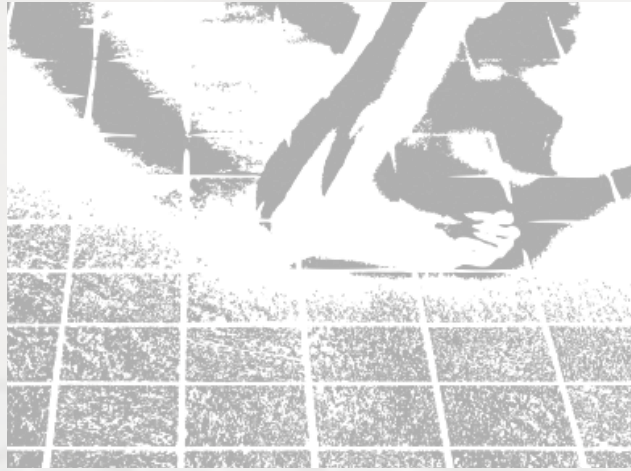
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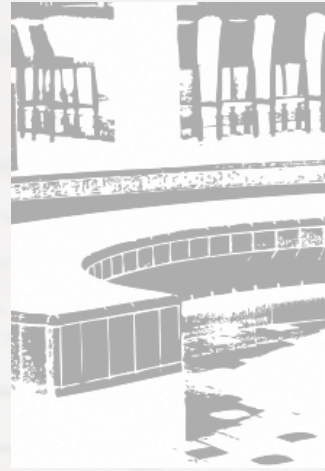




façade systems



slip resistance



swimming pool ceramics

## Modularity \_ by AGROB BUCHTAL

AGROB BUCHTAL provides bundled competence in all applications in the area of ceramic tiles. As a result of the fusion of two long standing companies, AGROB BUCHTAL continues a history, which reaches far back into the 18th Century. The combination of functionality, the highest quality and top-class design within the framework of individual demands represents the challenge in developing new products, which we meet successfully time and again.

That we are setting the standards in the world of architecture can be seen particularly clearly in the modular system, Plural plus: the variety of formats which can be freely combined ranges from the smallest of mosaic stones to large formats and provides just as much scope for creativity as do the harmonised colour sequences which are available for almost all formats and surfaces. In addition, we have the slip resistant qualities from R9 through to R12V4, so that Plural plus really has the perfect allround solution available for any requirement.

You can find more information concerning our product and services at [www.agrob-buchtal.de](http://www.agrob-buchtal.de)



### In the spirit of partnership

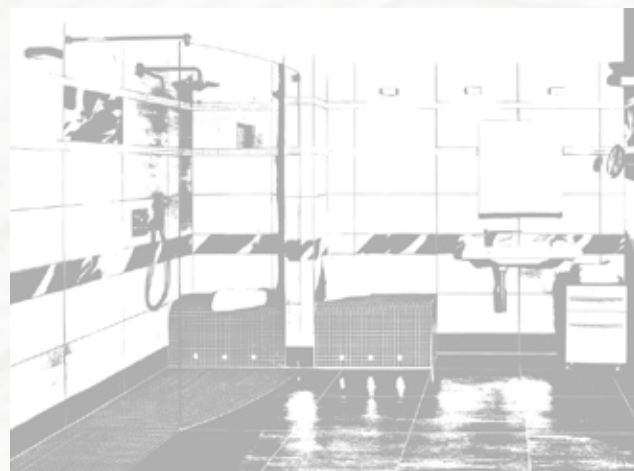
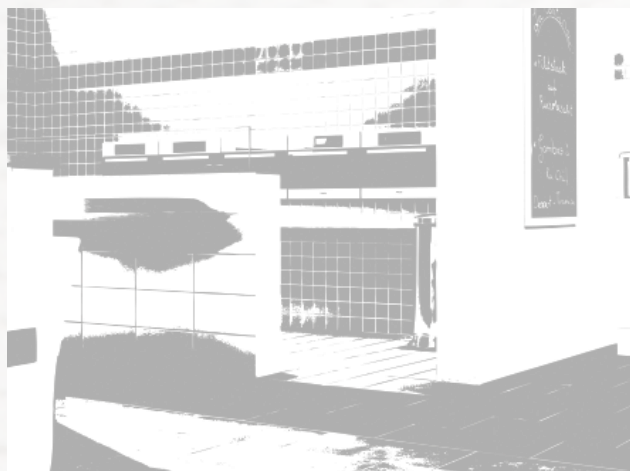
So that architects can concentrate exclusively on the implementation of their creative ideas, our experienced in-house planning department relieves them of many tasks.



### Functional

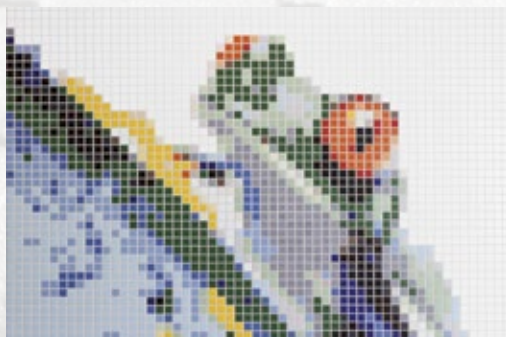
The GRIP quality seal of AGROB BUCHTAL stands for many years of experience in the development of slip resistance concepts. Within its tile series, AGROB BUCHTAL offers an extensive assortment of slip-resistant tiles covering the most diverse areas of application.





modular colour and format systems

high quality ceramics for living environments



## Individual

We fulfil almost any special request by means of the know-how and experience, which we have gained in many projects throughout the world.



## Sustainable

Active against pollutants in the air, antibacterial and extremely easy to clean: AGROB BUCHTAL's permanently burned in HT surface coating.  
[www.clean-air-ceramics.com](http://www.clean-air-ceramics.com)

## Creative combinations, sensuously experienced.

Right from the very beginning the Plural plus system was more than just a versatile tile programme: with its rigorously modular structure, its carefully harmonised variety of colours, formats and surfaces it has established itself as an architectural design system, which permits harmonious overall solutions for most uses. In order to ensure that the Plural plus system can continue to make its contribution to the implementation of the most varied of architectural concepts, the successful system is always developed further carefully but comprehensively:

the Plural plus system is convincing in its contemporary colour range, the intelligently extended range of formats and innovative surface structures, which also communicate a new sensuous experience in terms of feel.



# The System Plural plus 1 2 3



## Series Plural plus 1



Glazed silk matt or gloss, the Plural plus 1 series of stoneware wall tiles has proven itself above all in medical facilities, sanitary areas and hotel bathrooms. The right angled formats and the balanced colour range open up undreamed of opportunities for individual creativity – also in combination with the other system series.

## Series Plural plus 2



Because all colours and formats including the mosaics can be supplied on request in a slip resistant quality, Plural plus 2 is also perfectly suitable for wellness areas and sanitary rooms. The great variety of glazed stoneware tiles right through to the mini-format, 2.5 x 2.5 cm for walls and floors is logically augmented by high quality formed components including a ceramic shower tray system. Impressive mosaic images can also be created using the mini formats.

## Series Plural plus 3



The unglazed porcelain stoneware tiles of the Plural plus 3 series comprise various slip resistant qualities (R9, R10/A, R11/B, R11V4, R12, R12V4) and material thicknesses up to 15 mm and, thanks to their wide colour range and different formats, can be universally employed.



## The optimum solution for any situation.

A decision in favour of a certain tile surface can have practical reasons (ease of cleaning), it can comply with the specifications of the employers' professional association (slip resistant qualities) or be based on aesthetic considerations. The Plural plus system with its widespread range of different surfaces always has the appropriate solution available. From silk matt and gloss finish glazes, the range extends across unglazed porcelain stoneware and right through to slip resistant surface structuring and graining.

Perlstic

Honeycomb Structure

Smooth Macro

Silky-matt

Glossy



# The System Plural plus 1 2 3



Softcorn

Carostic

Smooth Micro

Perlcorn 2

# Colours



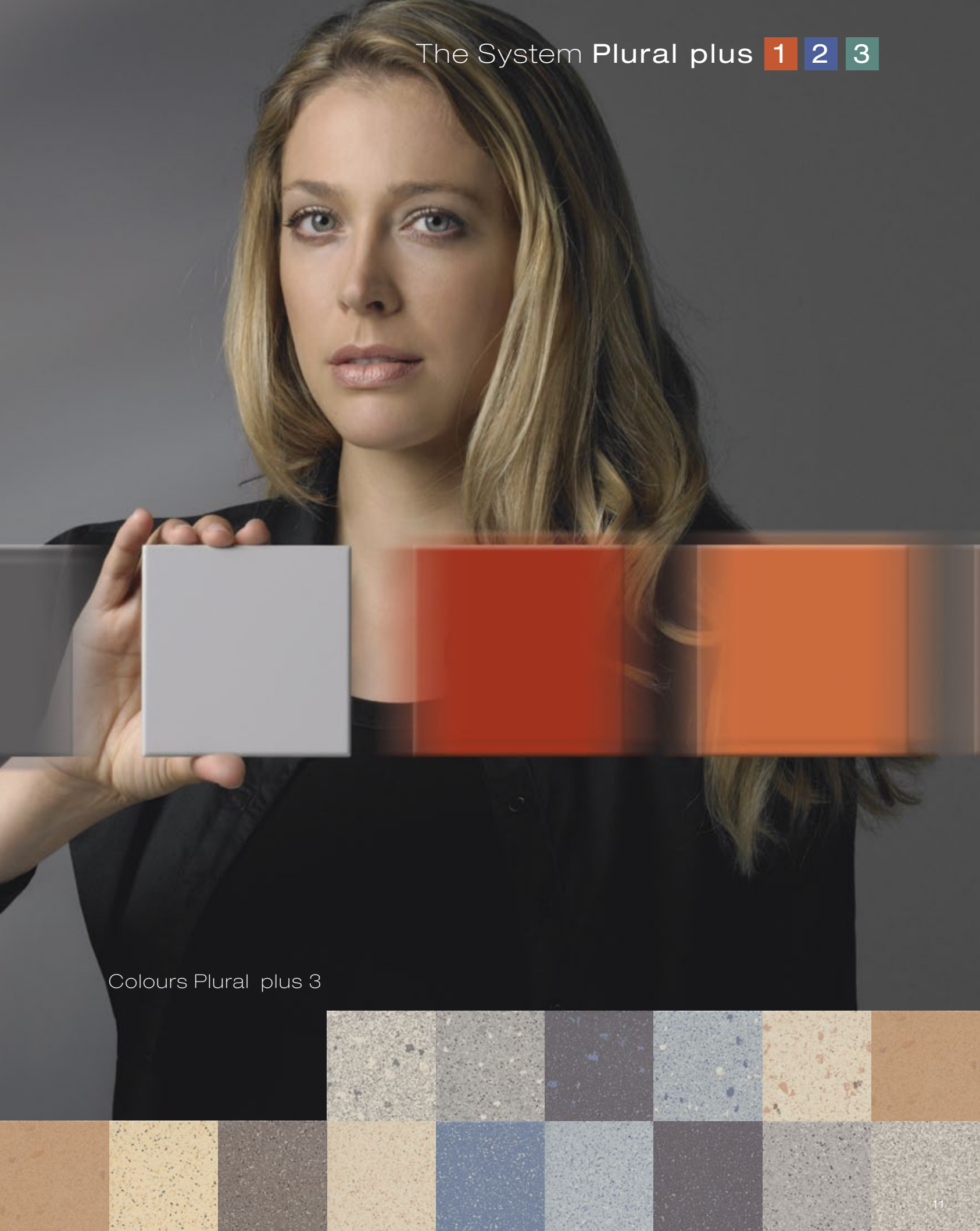
Colours Plural plus 1 + 2

## Superior designing with new sequences.

The colourful nature of the Plural plus system opens it up to the current trends in architecture: Planners throughout the world can access a broad range of harmonised colour sequences, which are available for almost all formats and surfaces and thereby support integrated overall solutions. These sequences are created from pure room colours, which take account of all demands of architecture as well as psychological effects. In this process, slightly veiled colour tones correspond with strong active colours, which complement the respective colour family. Used as block colours, these active tones are dominant eye catchers.



# The System Plural plus 1 2 3



Colours Plural plus 3



# Colours

light-white	light-blue	light-green
soft grey	soft blue	soft green
accent grey	accent blue	accent green
deep anthracite	deep blue	deep green

Colours  
Plural plus 1 + 2

Making the most of your resources: With a total of 28 contemporary standard colour tones, the Plural plus system invites you to use your fantasy in combining them. Because colours do not work in isolation. In combination, they form colour resonances, which support architectural specifications with positive associations. Furthermore, colour resonances in varying clarities promote creative experiments with nuances. Here, the modular structure



light-yellow	light-apricot	light-pink	light-beige
soft yellow	soft apricot	soft pink	soft brown
accent yellow	accent apricot	accent pink	accent brown
deep yellow	deep orange	deep red	active-white

of the system provides a security which does not restrict but rather liberates: because all of the system colours are related to each other, the harmony of the colours with each other allows countless variations, which extend far beyond the effect of a single tone. Thus the Plural plus system becomes a source of inspiration, which also creates optimum conditions for future trends in architecture.



## 1

silky-matt

30 x 60 cm

1500 11 11 11

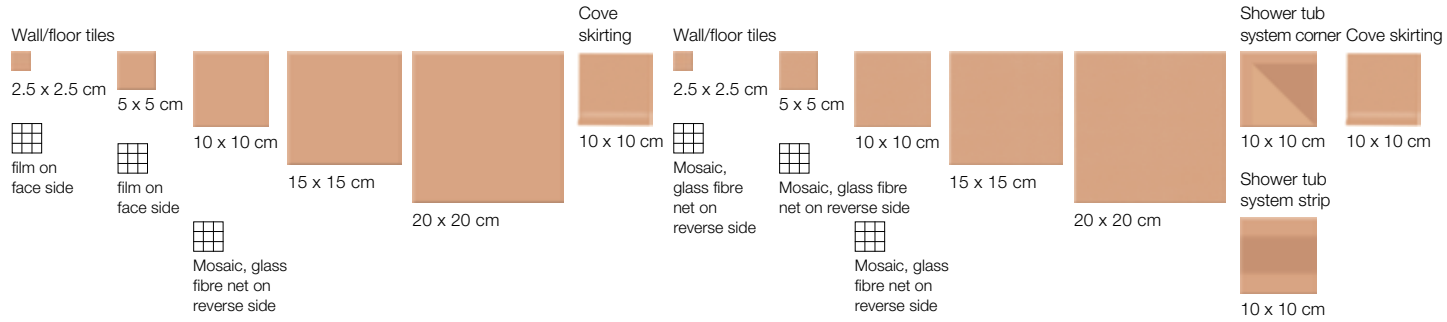




Surfaces: smooth

honeycomb structure, R10/B

R10/B

[illegible]

Surfaces:

smooth Micro

Softcorn

smooth Micro

Softcorn

smooth Micro

smooth Macro

Softcorn

Wall/floor tiles



10 x 10 cm  
R10/A



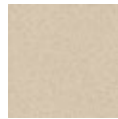
10 x 10 cm  
R11/B



only with  
paper-net on reverse



15 x 15 cm  
R10/A



15 x 15 cm  
R11/B



20 x 20 cm  
R10/A


































































20 x 20 cm  
R10/A



20 x 20 cm  
R11/B

Micro Macro

3602	3652	pale grey							
3601	3651	mid-grey							
3600	3650	deep anthr.							
3604	3654	light-blue							
3603		dark blue							
3608	3658	light-beige							
3607		dark brown							
3606		light-cotto							
3605	3655	mid-cotto							

Surfaces:

smooth Micro

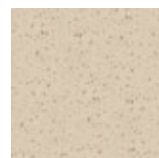
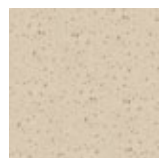
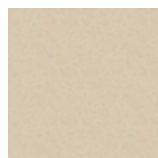
smooth Macro

smooth Macro (extra strong)

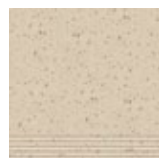
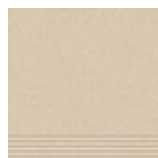
Special Pieces:

smooth Micro

Wall/floor tiles



Stair tiles



30 x 30 cm  
R10/A

Skirting with bevel


































































10 x 15 cm



10 x 20 cm

Micro Macro

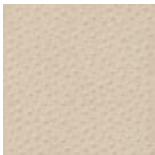
3602	3652	pale grey			
3601	3651	mid-grey			
3600	3650	deep anthr.			
3604	3654	light-blue			
3603		dark blue			
3608	3658	light-beige			
3607		dark brown			
3606		light-cotto			
3605	3655	mid-cotto			

3602	pale grey				
3601	mid-grey				
3600	deep anthracite				
3604	light-blue				
3603	dark blue				
3608	light-beige				
3607	dark brown				
3606	light-cotto				
3605	mid-cotto				

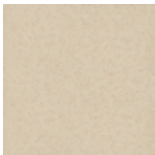
series Plural plus 3

Perlcom 2	Perlstic	Carostic		smooth Micro (extra strong)	Softcorn (extra strong)	Perlstic (extra strong)	Carostic (extra strong)
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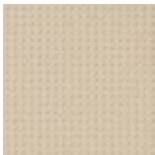
Wall/floor tiles



20 x 20 cm  
R11V4



20 x 20 cm  
R12

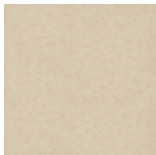


20 x 20 cm  
R12V4

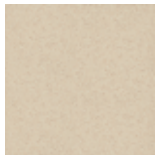
Floor tiles



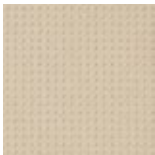
20 x 20 cm  
R9, R10/A



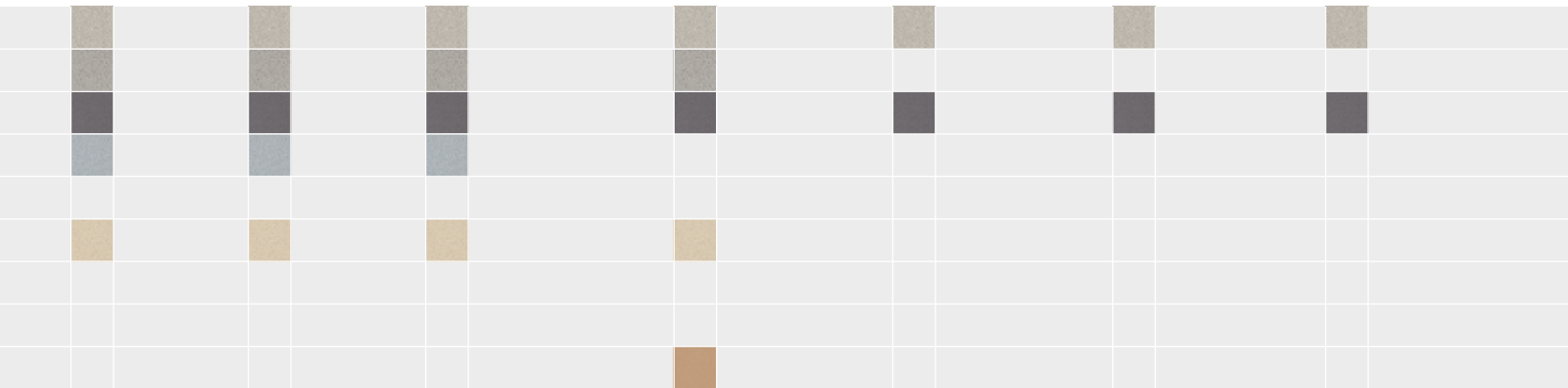
20 x 20 cm  
R11



20 x 20 cm  
R12



20 x 20 cm  
R12V4



Softcorn
----------

Cove skirting



10 x 10 cm  
R10/A



10 x 15 cm  
R10/A



10 x 20 cm  
R10/A

Internal corner  
for cove skirting



10 x 10 cm  
10 x 15 cm  
10 x 20 cm

External corner  
for cove skirting



10 x 10 cm  
10 x 15 cm  
10 x 20 cm

Shower tub system, corner



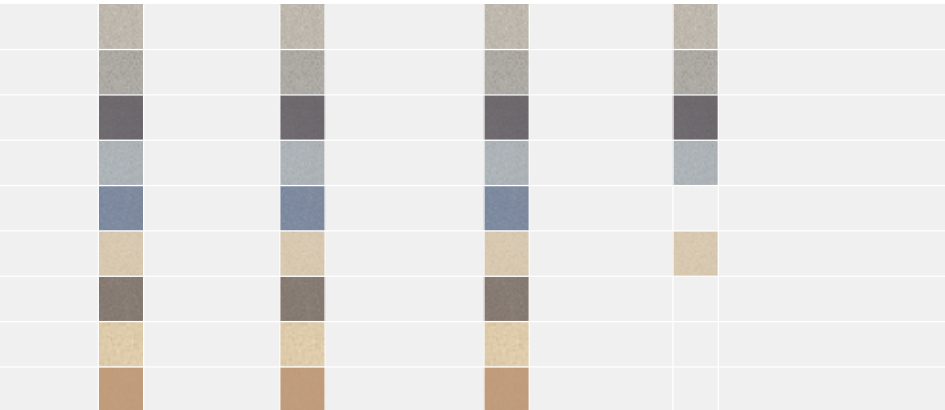
10 x 10 cm  
R11/B



Shower tub system, strip

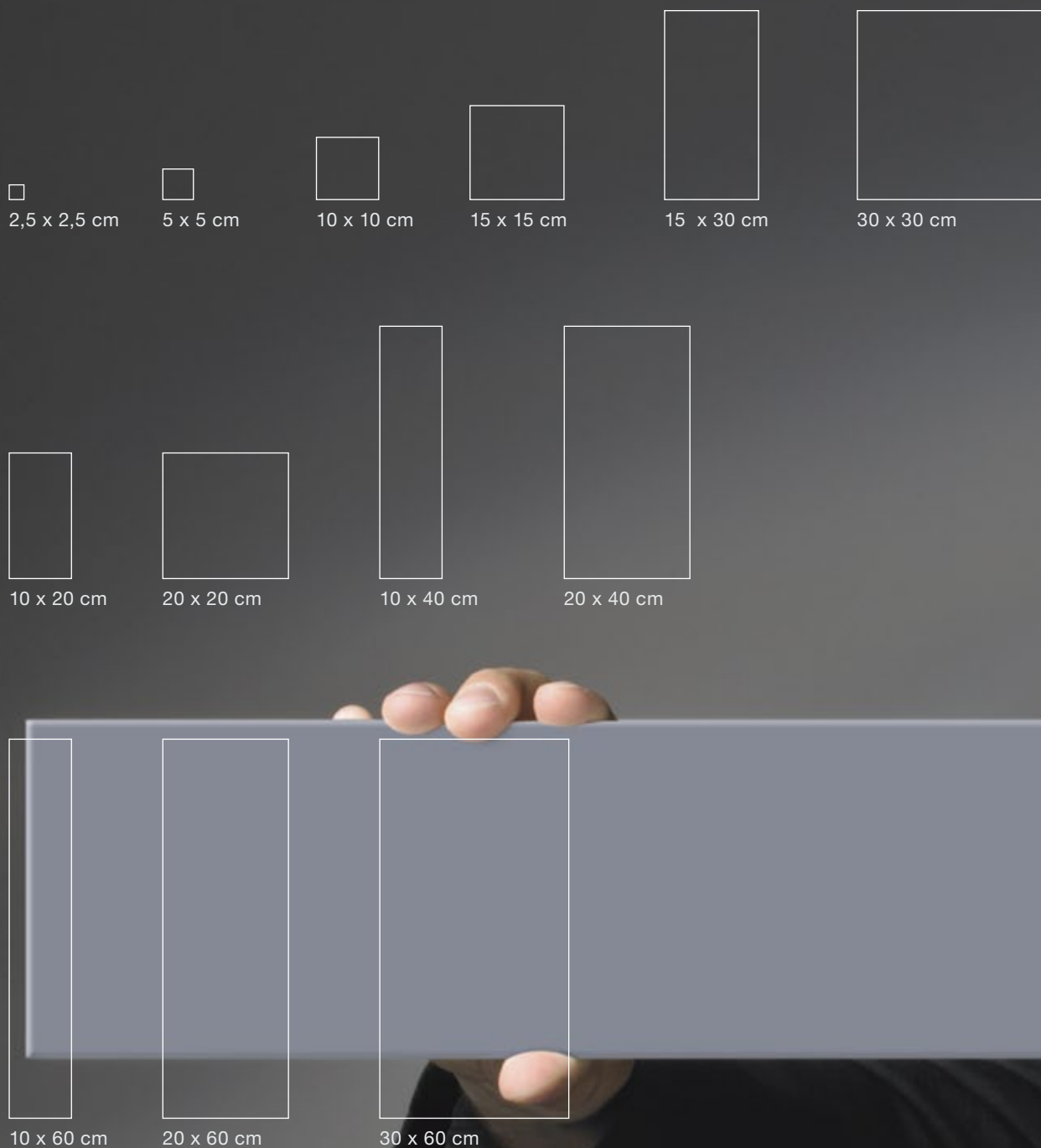


10 x 10 cm  
R11/B





# Formats



## Construction kit for creative spirits.

The choice of tile format plays a fundamental part in aesthetically demanding architecture. Thus, distinctly vibrant effects can be achieved by using the small (mosaic) formats, while large formats endow rooms with an elegant charisma. Additional effects can be achieved by combining different formats: spacious rooms can be subdivided visually, regular alternations produce fascinating rhythms, ornaments break up large wall and floor areas.



All of these opportunities are available to planners who work with the Plural plus system because the modular structure of the system permits an almost unlimited number of attractive combinations. Here, Emotion is convincing as the ideal complement to the functional tiles of the Plural plus 3 series: in this combination, a varied wide and perfectly harmonised spectrum of colours and formats in all slip resistant qualities has been created, which combines the highest functionality with a relaxed living atmosphere.

Detailed information are to be found in the brochure *Emotion*.

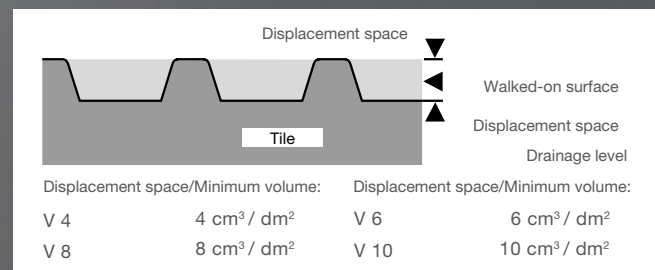


## Safe walking in all rooms.

Slip resistant tiles, identified by our new quality label GRIP, are a core competence of AGROB BUCHTAL. Since AGROB BUCHTAL's market introduction of the first slip resistant tiles in the 1930s, this innovation has been constantly developed further by intensive research. The results include renowned prizes for the exemplary design of surfaces and functional advances in varied applications. The quality of AGROB BUCHTAL's slip resistant tiles is guaranteed by permanent audits of the works laboratories and is subject to regular neutral monitoring by external institutes as well as by participation in ring trials with accredited testing laboratories.

### Test on "inclined plane"

Valuation groups	Angle of inclination	Industrial + commercial areas
R9	> 6° - 10° low static friction	
R10	> 10° - 19° normal static friction	
R11	> 19° - 27° increased static friction	
R12	> 27° - 35° high static friction	



### Reliable protection against accidents

Slipping is the most common cause of accidents at work. This is why slip resistant floor tiles are legally prescribed for many commercial and industrial applications. AGROB BUCHTAL supplies tiles in a variety of slip resistant qualities, which fulfil the relevant sector demands exactly.

### More secure through cavities

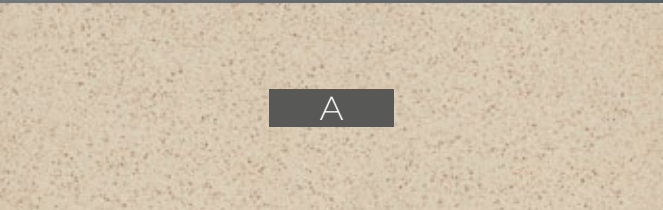
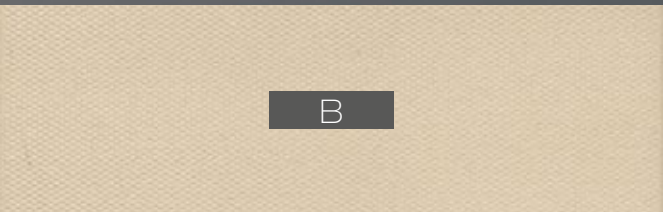
The displacement space (V4-V10) is the open space between the upper walked-on surface and the drainage level of profiled surfaces.



Safe walking in industrial and commercial areas.  
Perfect accident prevention in the workplace.

		R9	Provides safety, e.g. in hallways and break rooms, in restaurants, banks, medical practices and hairdressing salons.	
		R10	Fulfils the heightened demands, e.g. on sanitary areas, hospital bathrooms as well as in coffee and tea kitchens.	
		R11	R11V4	Protects against the danger of slipping, e.g. in bakeries and bottling plants, in laundries and workshops.
		R12	R12V4	

Safe walking in barefoot areas.  
Guarantee for carefree leisure fun.

		A	Fulfils the safety demands in essentially dry barefoot hallways, in changing and rest rooms.
		B	Provides effective protection in shower rooms, on swimming pool surroundings as well as in paddling pools and on elevating floors.



1

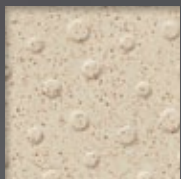
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4

3

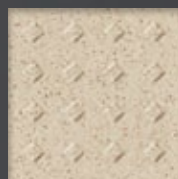
5

## Plural plus 3



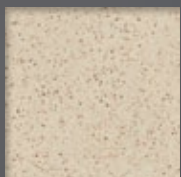
①

Perlcorn 2 R11V4

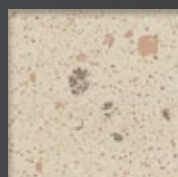


②

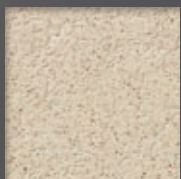
Carostic R12V4



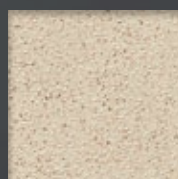
Smooth Micro R10/A



Smooth Macro R10/A



Softcorn R11/B



Perlstic R12



## *Emotion*



③

*Emotion R9*



④

*Emotion R10/A*



⑤

*Emotion R11/B*

Detailed information concerning the available colours and formats are to be found in the brochure *Emotion*.



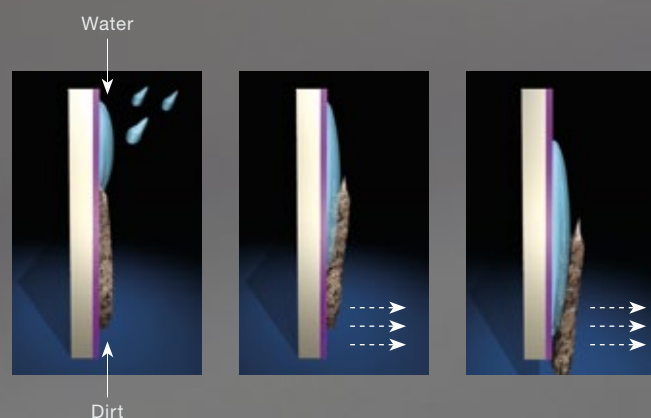


## HT: The revolutionary coating.

Environmental protection is one of the most urgent tasks of our days, and we feel obliged to contribute to it to a high degree. That is why we are coating our ceramic tiles with HT, which offers three special economical and ecological advantages:

- Extremely easy to clean with long-term guarantee: instead of being repelled in the form of drops, the water spreads to form a thin film which infiltrates the dirt.
- Decomposition of pollutants in the air: both indoors and outdoors. In the case of exhaust fumes produced by industry and cars, for example, 1,000 m<sup>2</sup> of facade ceramics with HT clean the air as effectively as 70 medium-sized deciduous trees.
- Antibacterial effect without chemical agents: micro organisms such as e.g. bacteria, fungi, algae or moss are decomposed and their renewed formation is prevented.

### No chance for dirt, oil and grease



With HT, dirt is washed down by the water and can then be easily wiped off.

Detailed information are to be found in the brochure HT.

## Protecta: Surface upgrading.



Unglazed porcelain stoneware tiles are fundamentally hard wearing and resilient. The Protecta ceramic enhancement further substantially improves their resistance to stains and soiling. During the firing, the factory applied enhancement forms a strong bond with the body of the tile and closes the natural "micro-pores" existing in unglazed ceramics. This prevents the penetration of staining substances. The formerly recommended impregnation is no longer required here.



Protecta



## In-house planning department: Top competence for free.

For AGROB BUCHTAL, high quality products and competent service go hand in hand. Thus, planners and architects who use our products can make use of our free of charge in-house planning department in a spirit of co-operative partnership. A committed team of qualified technicians, architects, designers and colour experts creates the conditions for the rapid and smooth realisation of individual concepts. Our scope of service includes laying plans, quantity calculations, technical specifications, tendering texts, and technical on-site application consultancy concerning the specific project. Upon request, a contact partner will also be available to you on site. You will find detailed information concerning all of our products in our publication, "Programme of delivery".

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