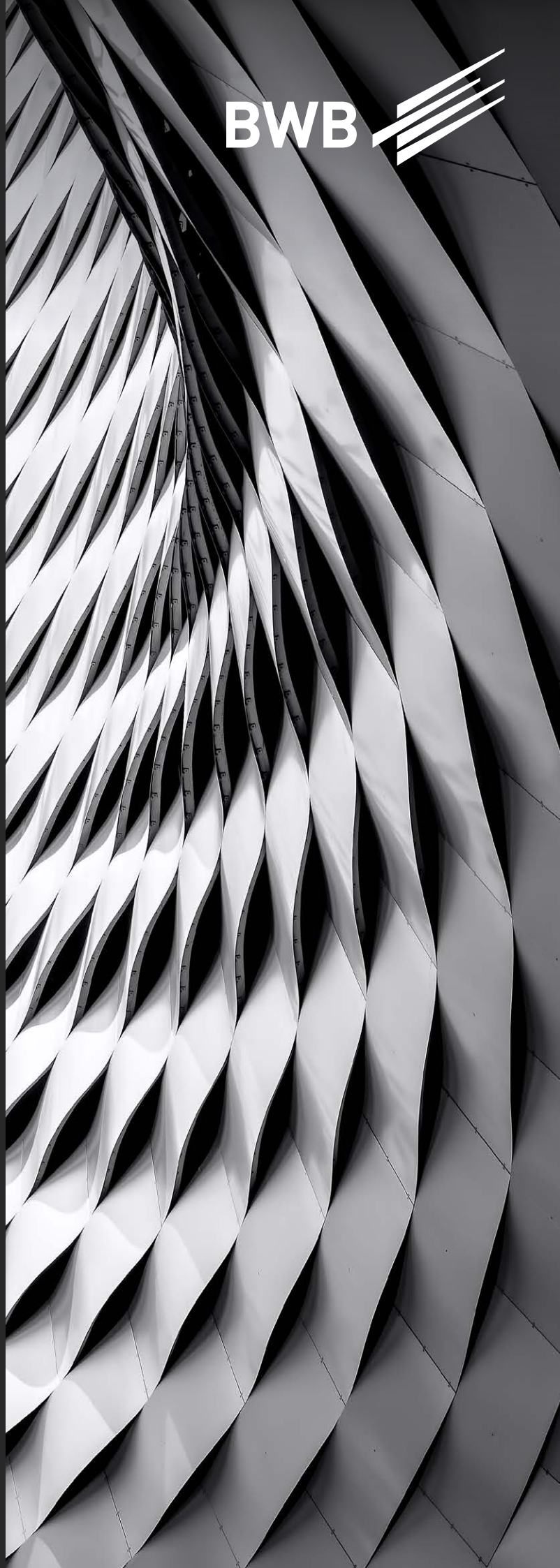


ALUMINIUM IN ARCHITECTURE

SURFACE TREATMENT

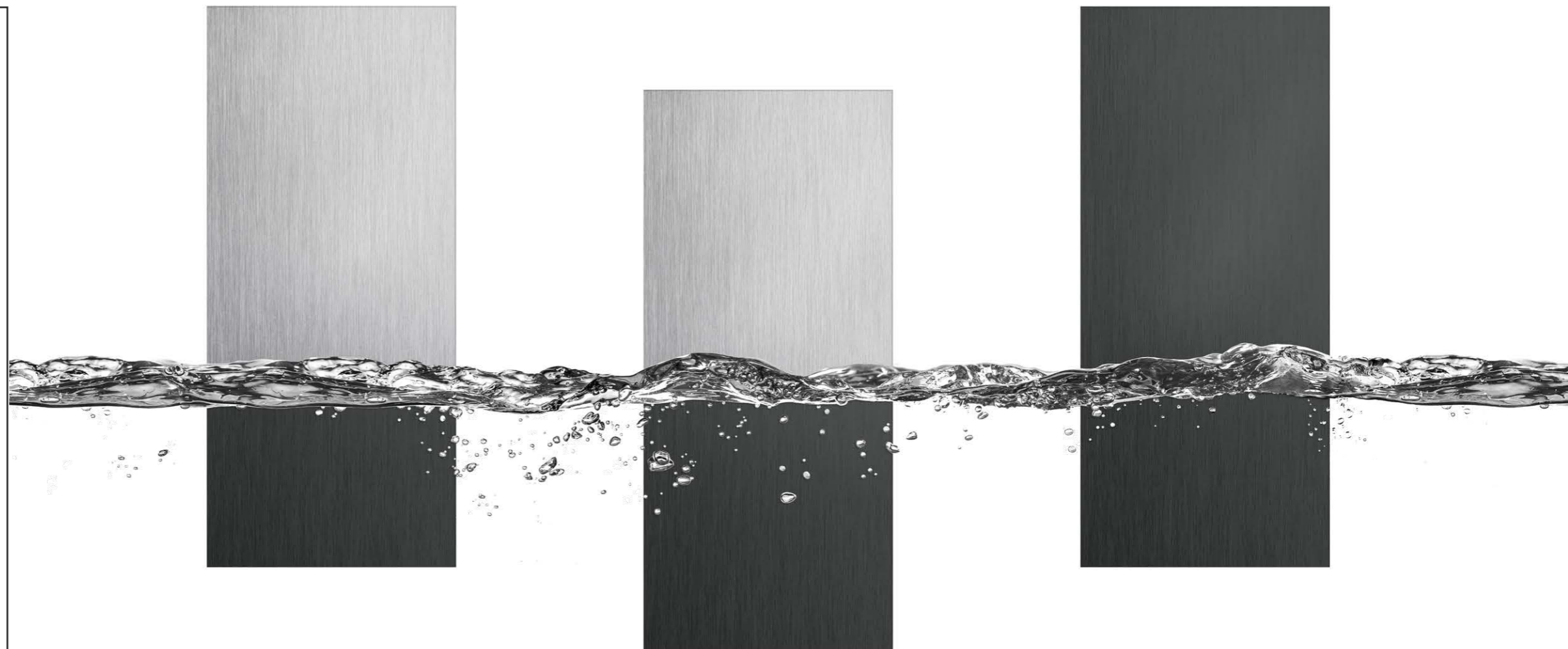
BWB



IMMERSE YOURSELF IN THE WORLD OF SURFACE TREATMENT

ANODISING ALUMINIUM

- provides long-term protection against weathering influences
- emphasises its natural structure
- is refined in various natural shades – from discreet tinting to intense colouring
- allows for aesthetic light reflections in both matt and gloss versions
- offers additional effects with grinding and brushing
- reduces care and maintenance requirements
- conserves resources: can be dismantled into individual components and is 100% recyclable



Anodised surfaces from BWB don't just appeal visually, they also lend a special depth. The refined dipping process gives the basic aluminium material long-lasting and reliable protection. Be it colourless or in one of a wide spectrum of colours – anodised surfaces from BWB last and are resistant for many decades. So even large-scale installations can be created to order. This opens up an exceptionally wide range of potential applications – for both façades and interiors.

SANODAL



BWB-Argentan 1



BWB-Argentan 2



BWB-Brass 1



BWB-Brass 2



BWB-Gold 1



BWB-Gold 2



RANGE OF GOLDEN SHADES

The Sanodal adsorptive colouring process locks the golden dye securely in the pores of the anodised layer. The final sealing process provides the coloured pigments with lasting protection against weathering influences.



Reben school complex Arbon, Architecture: S2 / Stucky Schneebell Architekten, Images: Beat Bühler



The University of Sheffield – The Diamond, Architecture: Twelve Architects, Images: Jack Hobhouse

COLINAL



BWB-Colinal 3115



BWB-Colinal 3175



BWB-Colinal 3145



BWB-Colinal 3178



BWB-Colinal 3165



BWB-Colinal 3180

TRADITIONAL EARTHY COLOURS

During the Colinal electrolytic dipping process, chromophoric metal salts are deposited deep in the surface of the aluminium. The Colinal treatment gives aluminium a light-fast colouring, ranging from light to dark bronze tones.

PERMABRONZE

SHIMMERING BRONZE SHADES

The Permabronze multi-stage colouring process stands out for its natural colour gradation. Whether for exquisite building envelopes or accentuated window structures, Permabronze is lively in appearance and lends a special depth.



BWB-Bronze 3



BWB-Bronze 4



BWB-Bronze 5



BWB-Bronze 6



Townhouse in Kriens, Architecture: Burkard Meyer Architekten BSA, Images: BWB Surface technology



Ophthalmology Clinic of Lucerne Cantonal Hospital in Lucerne, Architecture: Schneider & Schneider Architekten ETH BSA SIA AG, Images: Peter Ruggle

EXCLUSIVE PERMALUX



BWB-Permalux P1



BWB-Permalux P2



BWB-Permalux P3



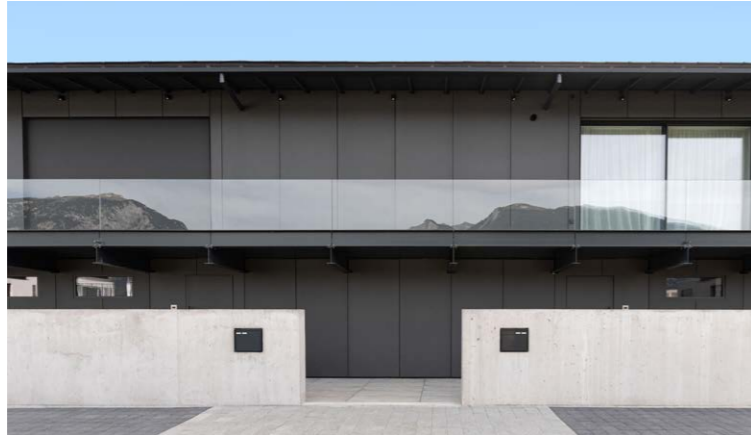
BWB-Permalux P4



HIGHLY RESISTANT COLOURING

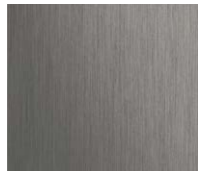
The Permalux process stands out due to its especially hard-wearing anodised layer and timeless colouring. A Permalux building envelope has an elegant appearance, is exceptionally resilient and highly resistant to corrosion: a clear statement of future-proof architecture.

EXCLUSIVE PERMAGREY



LUXURIOUS GREY TONES

The Permagraey coating binds the alloy elements of the aluminium with the anodised layer and gives the surface an anthracite colour. Surface irregularities are emphasised by the colouring, and the surface of the sheet is distinguished by the characteristic grain. The process is for use exclusively on G77Ac sheets, and is not available for extruded sections and other aluminium sheets.



BWB-Permagraey 1



BWB-Permagraey 3



BWB-Permagraey 2



BWB-Permagraey 4



Semi-detached house in Bonaduz, Architecture: Ritter-Schumacher AG, Images: BWB Surface technology



Schlossbad in Neumarkt, Architektur: Diezinger Architekten GmbH, Images: Heiko Stahl

PERMACOLOR



BWB-PermaBlue 1



BWB-PermaBlue 2



BWB-PermaGreen 1



BWB-PermaGreen 2



COLOURFUL LIGHT PLAY

The shades of green and blue created by the Permacolor process aren't achieved through the use of dyes, but by a specific light-scattering layer structure with metal salt intercalation. The resulting colours change depending on which angle you view them from, the position of the sun and the design of the aluminium surface. The colour variations lend the façade a particularly vivid look.

SANDALOR

olive yellow



Sandalor S100-0



Sandalor S100-1



Sandalor S100-2



Sandalor S100-3



Sandalor S100-4



WIDE RANGE OF COLOURS

The two-stage SANDALOR process makes it possible to achieve five shades each of olive yellow, gold, red, blue and turquoise. The dyes used are optimised for outdoor use and guarantee excellent light-resistance.

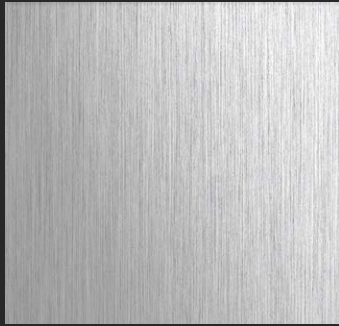
You'll find all 25 SANDALOR colours at the end of this brochure or online at www.bwb.ch/colours.



FINISHES

GRINDING AND BRUSHING (E4)

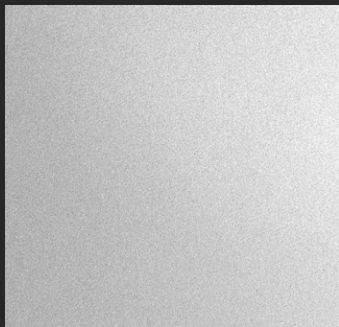
The finish with an elegant structure



Natural tone EV1 (E4)

ETCHING (E6)

The fine matt effect



Natural tone EV1 (E6)

PRE-TREATMENT

Aluminium surfaces require an appropriate pre-treatment for the anodising process. Mechanical pre-treatments such as grinding and brushing (E4) bring out the metallic characteristics of the aluminium by giving it a refined texture. Contamination, corrosion or slight processing traces must be treated or concealed during purely chemical pre-treatment. After what's known as etching (E6), the surface has an even, matt finish.

We'll work with you to find the right finish for your project. We will be happy to trial other pre-treatments such as grinding (E1), brushing (E2) and rough grinding.

DECORATIVE, HIGH-QUALITY ANODISING

The appearance of the anodised layer changes depending on the aluminium alloy. In the case of colourless anodising, the natural tone varies from silver grey for decorative anodising to slate grey for aluminium with a high proportion of other metals. For architecture and design applications, please only use aluminium that is labelled as being suitable for decorative anodising.

COLOURS



SANODAL	COLINAL	PERMABRONZE	PERMALUX	PERMAGREY	PERMACOLOR
BWB-Argentan 1	BWB-Colinal 3115	BWB-Bronze 3	BWB-Permalux P1	BWB-Permagrey 1	BWB-Permablue 1
BWB-Argentan 2	BWB-Colinal 3145	BWB-Bronze 4	BWB-Permalux P2	BWB-Permagrey 2	BWB-Permablue 2
BWB-Brass 1	BWB-Colinal 3165	BWB-Bronze 5	BWB-Permalux P3	BWB-Permagrey 3	BWB-Permagreen 1
BWB-Brass 2	BWB-Colinal 3175	BWB-Bronze 6	BWB-Permalux P4	BWB-Permagrey 4	BWB-Permagreen 2
BWB-Gold 1	BWB-Colinal 3178				
BWB-Gold 2	BWB-Colinal 3180				

SANDALOR olive yellow	SANDALOR gold	SANDALOR red	SANDALOR blue	SANDALOR turquoise
Sandalor S100-0	Sandalor S120-0	Sandalor S140-0	Sandalor S150-0	Sandalor S160-0
Sandalor S100-1	Sandalor S120-1	Sandalor S140-1	Sandalor S150-1	Sandalor S160-1
Sandalor S100-2	Sandalor S120-2	Sandalor S140-2	Sandalor S150-2	Sandalor S160-2
Sandalor S100-3	Sandalor S120-3	Sandalor S140-3	Sandalor S150-3	Sandalor S160-3
Sandalor S100-4	Sandalor S120-4	Sandalor S140-4	Sandalor S150-4	Sandalor S160-4

For a better colour evaluation, we recommend ordering initial samples in A4 format, as it is not technically possible to replicate the exact colour of the anodised aluminium in print. The Permacolor and Permagrey processes are only available with the E6 finish and are shown accordingly. All other samples are shown with the E4 finish and are also available with the E6 finish as an option.

www.bwb.ch/colours

ORDERING SAMPLES

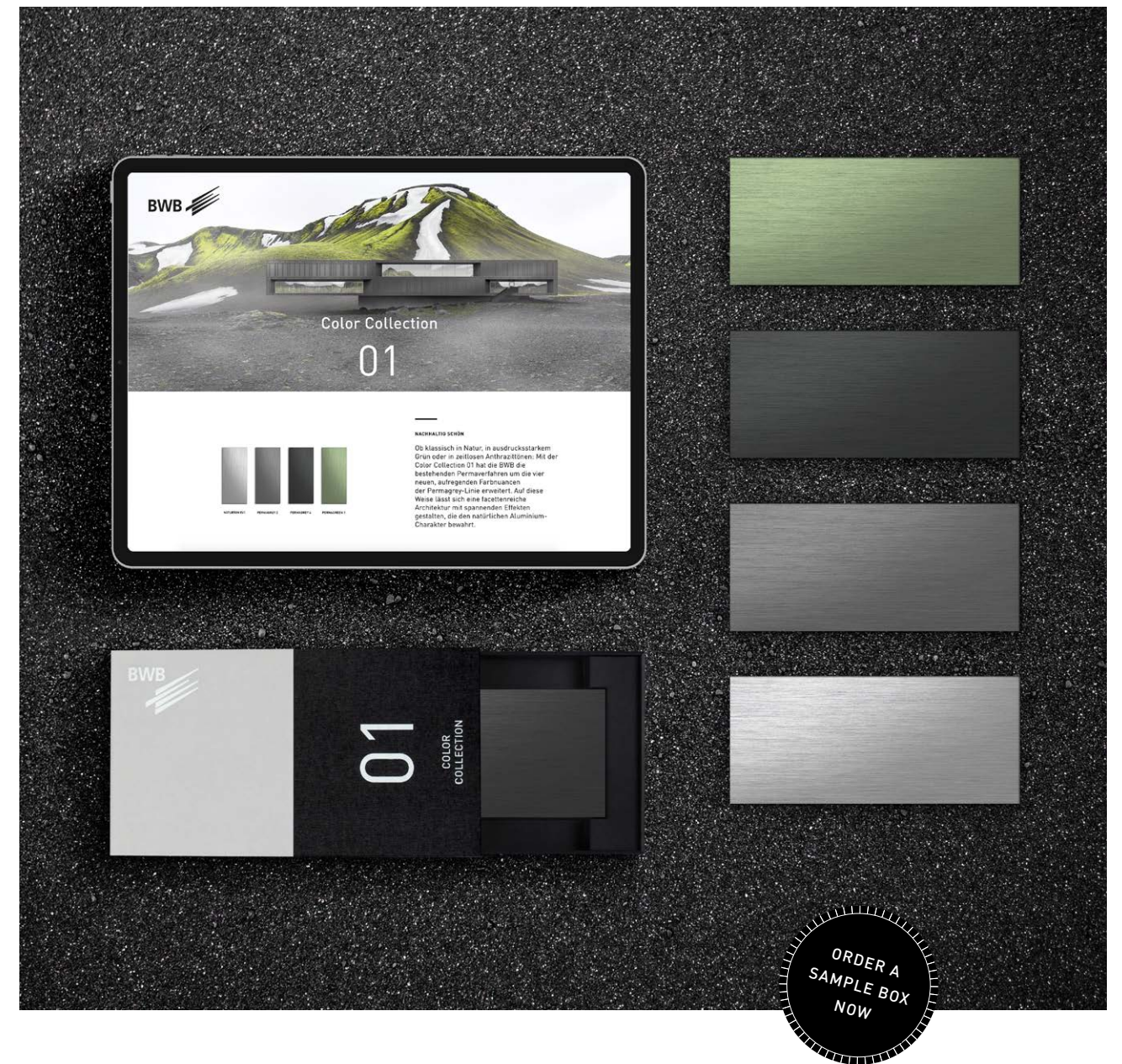


YOUR PERSONAL SELECTION

You can find the full range of BWB colours online at www.bwb.ch/colours

It's easy to order samples using our website, or you can give us a call on +41 58 861 90 10.

COLOR COLLECTION



INSPIRING AND SELECTED COLOURS

The BWB Colour Collections present coordinated ranges of four specially selected colours. Packaged together in a high-quality sample box, they display the latest trends and processes.

Order our sample collections at www.bwb.ch/cc01

WE'LL BE HAPPY TO ADVISE YOU ON YOUR PROJECT

Do you need samples for your project, or do you have any questions about choosing materials and processes?

Send us an email on architecture@bwb.ch

Or give us a call on **+41 58 861 90 10**

www.bwb.ch