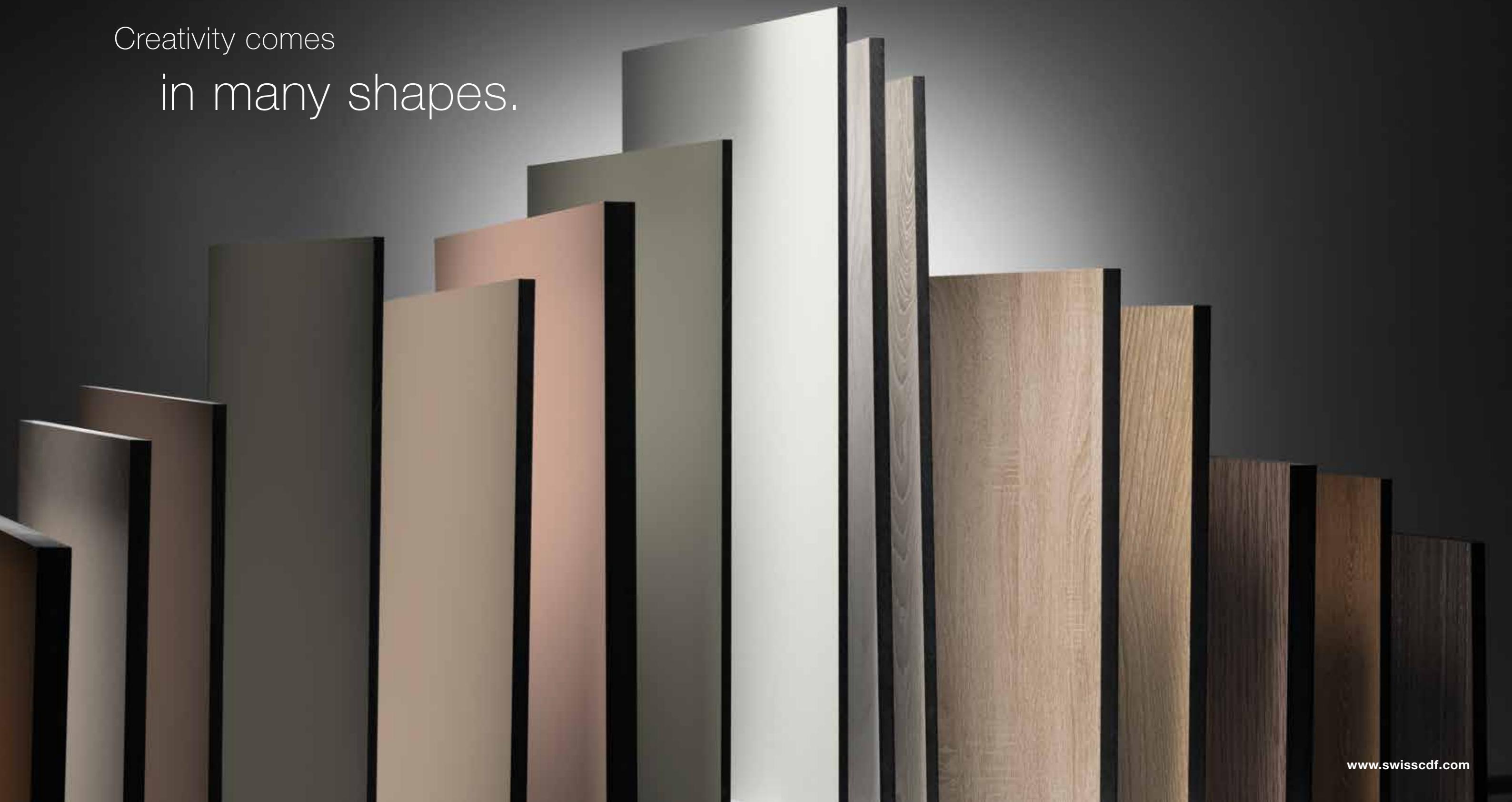


**BE CREATIVE
WITH
swissCDF**

swisscde



Creativity comes
in many shapes.

Inhalt

Sommaire

Contenuto

Contents



12

ARCHITECTURE
EXHIBITION

16

DESIGN
ART
FURNITURE

20

EDUCATIONAL
OFFICE
HOSPITAL
PUBLIC AREA

24

RESTAURANT
STORE
HOTEL

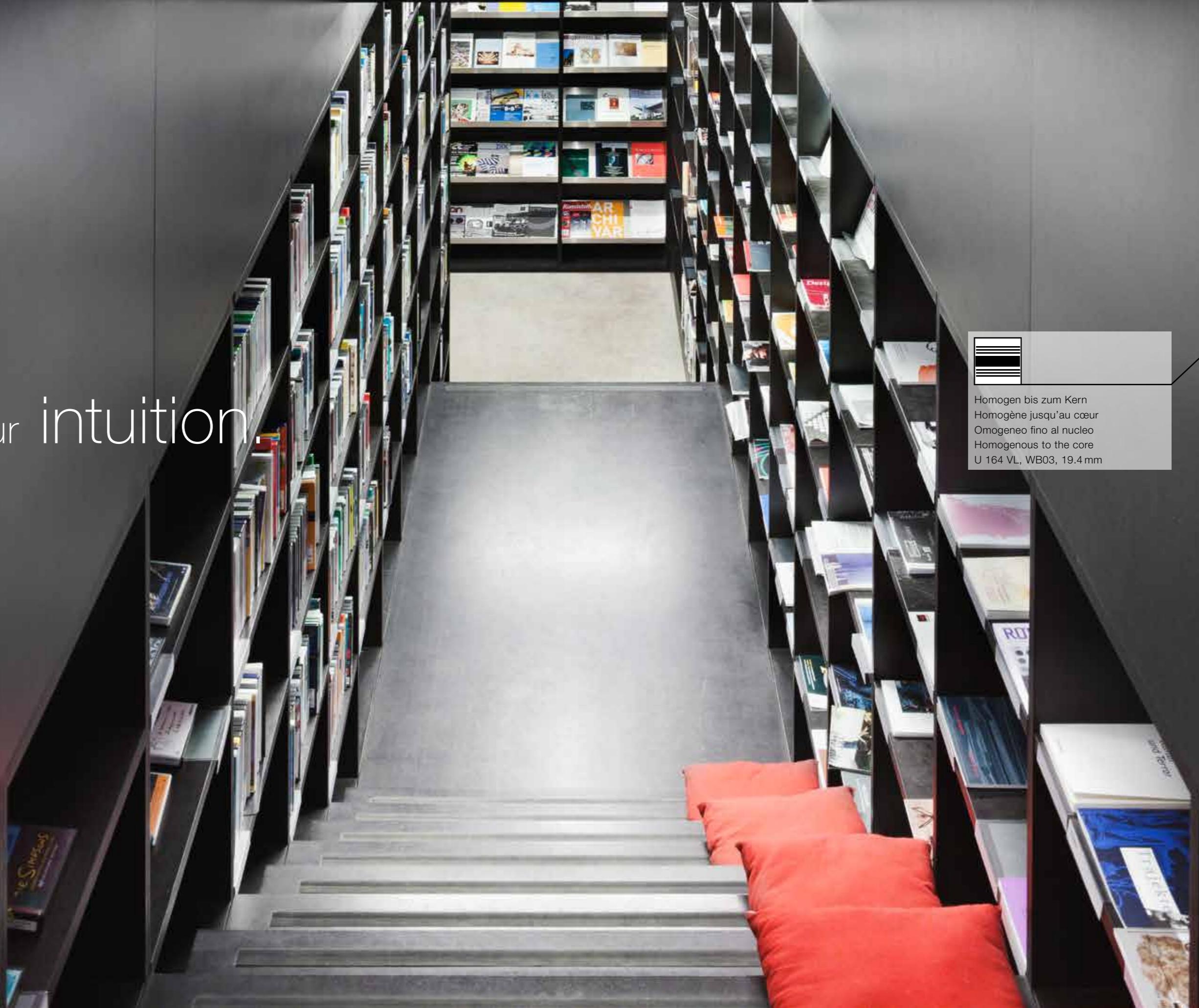
28

WC/CUBICLE
PARTITION
LOCKER

32

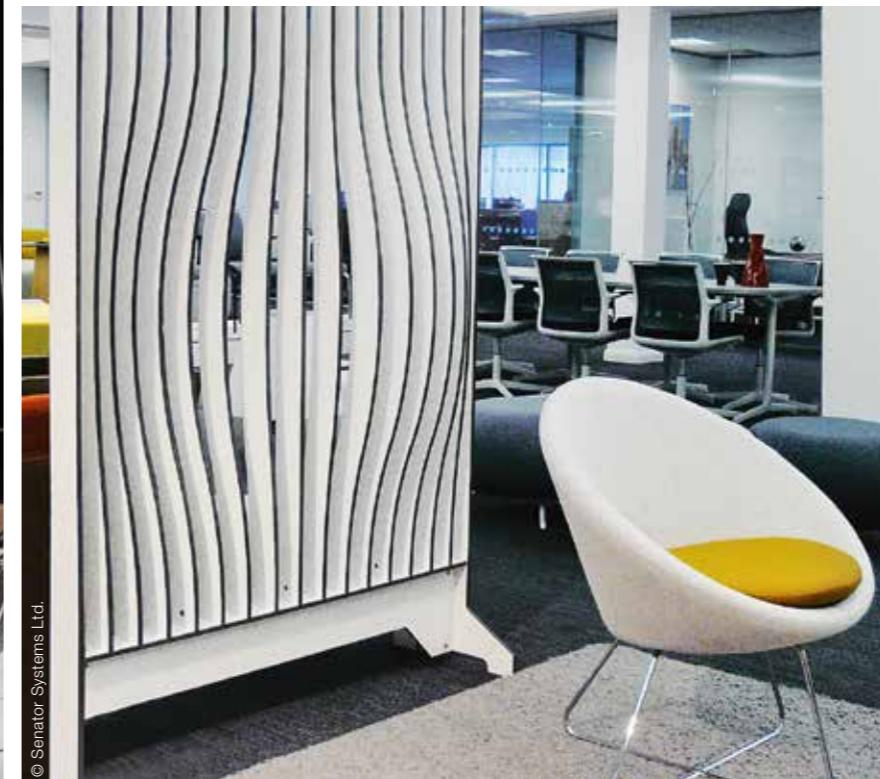
SUSTAINABILITY
PROCESSING
TECHNICAL DATA

Trust your intuition.



Homogen bis zum Kern
Homogène jusqu'au cœur
Omogeneo fino al nucleo
Homogenous to the core
U 164 VL, WB03, 19.4 mm

ARCHITECTURE EXHIBITION



DE Architektur ist die Kunst, Form, Material und Funktionalität in Einklang zu bringen und den bestmöglichen Nutzen daraus zu erzielen. SWISSCDF ist einmalig in Design, Dichte und Robustheit. Setzen Sie SWISSCDF in Szene.

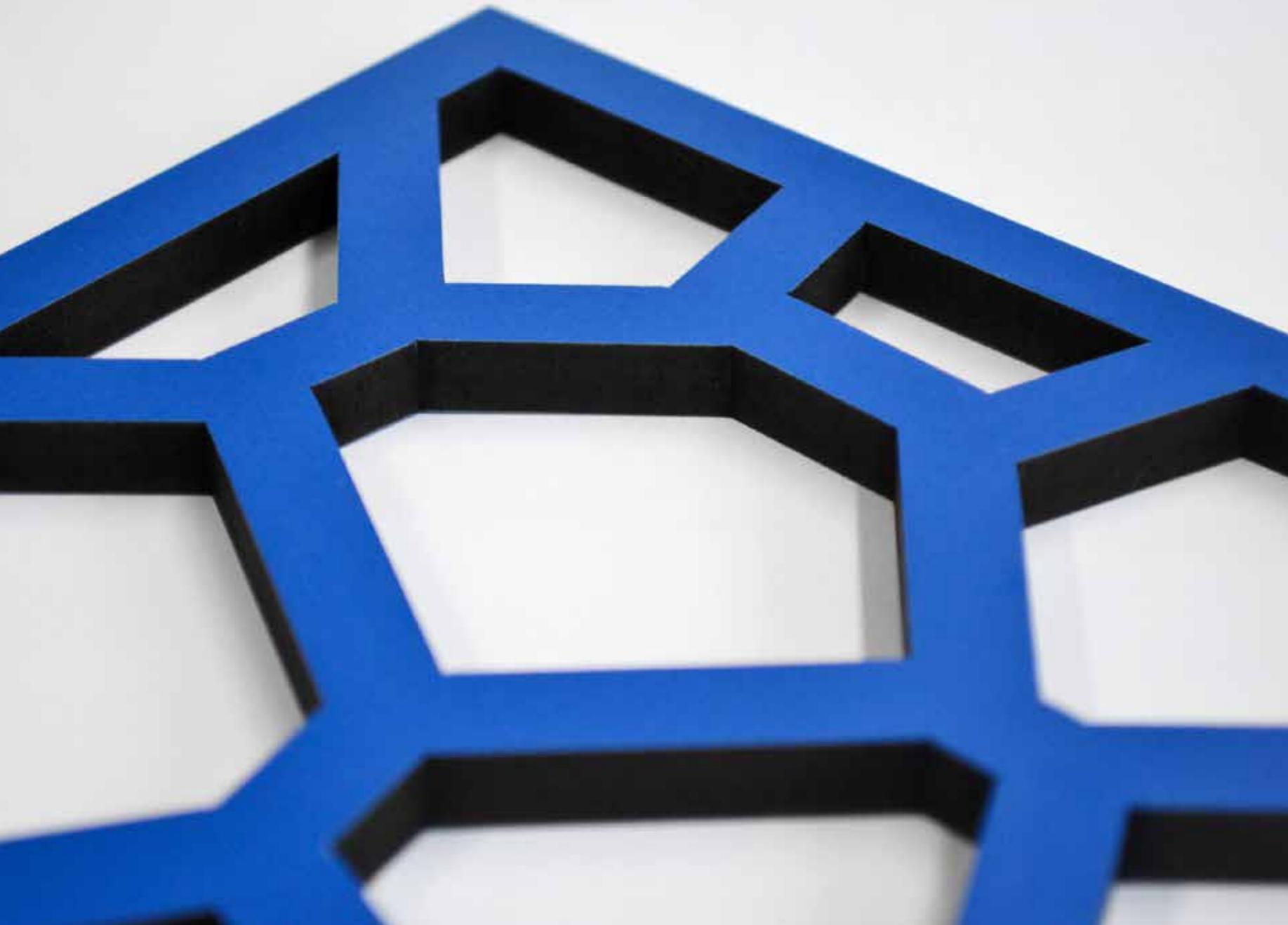
FR L'architecture, c'est l'art d'harmoniser la forme, la matière et la fonctionnalité et d'en tirer les meilleurs bénéfices possibles. SWISSCDF se définit par un design, une épaisseur et une robustesse hors norme. Mettez SWISSCDF en scène.

IT L'architettura è l'arte di armonizzare le forme, i materiali e le funzionalità al fine di trarne il maggior vantaggio possibile. SWISSCDF è unico nel suo design, nella sua densità e robustezza. Mettete in scena SWISSCDF.

EN Architecture is the art of bringing form, material and functionality into harmony and getting the very best out of it. SWISSCDF is unique in terms of its design, density and robustness. Put SWISSCDF in the limelight.

If you can imagine it,
you can create it.





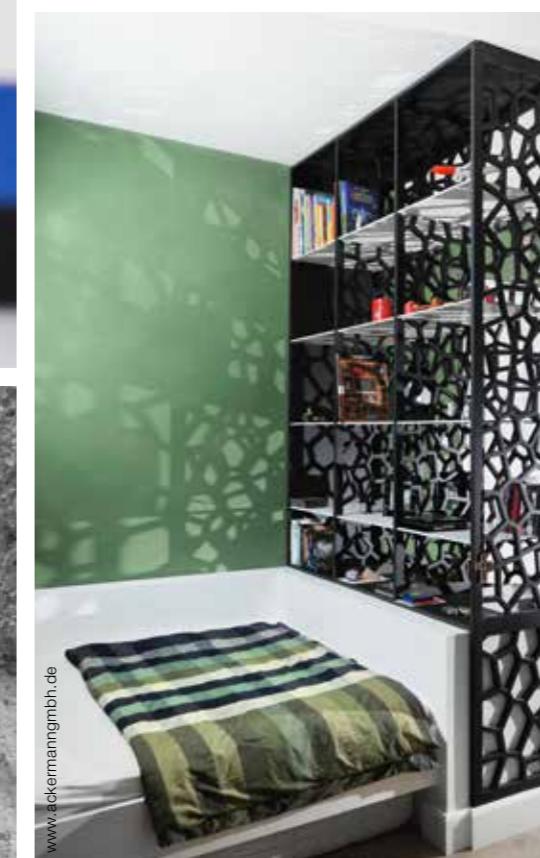
© 2013 Janos Schaab



www.formaat.de



www.blindd.com



www.tickermannmbh.de

DESIGN
ART
FURNITURE

DE Dank dem farbigen Mehrblattaufbau ist SWISSCDF prädestiniert zur Fertigung komplexer und filigraner Frässstrukturen wie z.B. Schriften, Logos und Verbindungen. Mittels neuster Laser- und CNC-Techniken kennt Ihre Kreativität keine Grenzen.

FR Grâce à la structure multicouche colorée, SWISSCDF est prédestiné à la fabrication de structures fraîsées complexes et filigranes telles que les écritures, les logos et les jointures. Grâce aux dernières technologies au laser et CNC, votre créativité ne connaît aucune limite.

IT Grazie alla struttura multistrato colorata SWISSCDF è predestinato alla produzione di elementi fresati complessi e filigrani come p. es. scritte, loghi e collegamenti. Mediante la pratica delle tecniche laser e di lavorazione CNC dell'ultima generazione la vostra creatività non avrà limiti.

EN Thanks to its coloured multi-ply design, SWISSCDF is predestined for the production of complex and sophisticated routed structures, such as text, logos and joints. With the latest laser and CNC techniques, your creativity knows no limits.

EDUCATIONAL
OFFICE
HOSPITAL
PUBLIC AREA

It is only empty space
until you fill it
with ideas.





EDUCATIONAL
OFFICE
HOSPITAL
PUBLIC AREA

DE Spezifische Anwendungen erfordern eine gezielte Auswahl an Materialien. SWISSCDF lässt sich mit sämtlichen Decoroberflächen der Panorama Collection und Panorama TOUCH Collection beschichten, welche höchsten Anforderungen gerecht werden.

FR Les applications spécifiques nécessitent une sélection précise des matériaux. SWISSCDF peut être revêtu de tous les décors de la Panorama Collection et de la Panorama Touch Collection répondant aux critères les plus rigoureux.

IT Le applicazioni specifiche richiedono una selezione mirata dei materiali. I pannelli SWISSCDF possono essere rivestiti con tantissime finiture decorative delle collezioni Panorama Collection e Panorama TOUCH Collection, le quali soddisfano i requisiti massimi.

EN Specific applications require a careful selection of materials. SWISSCDF can be coated with all the decorative surfaces of the Panorama Collection and Panorama TOUCH Collection which fulfil the highest of aspirations.

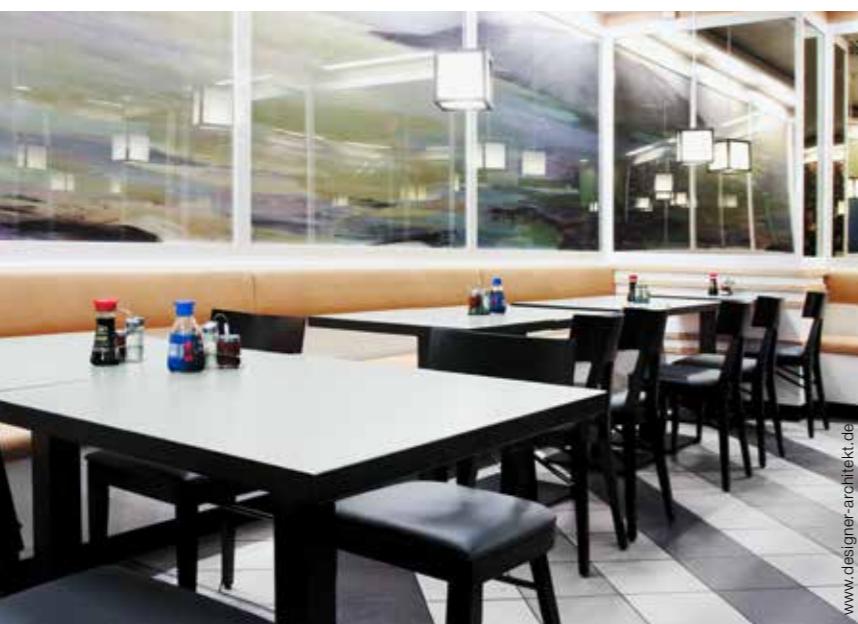
RESTAURANT
STORE
HOTEL



Schwer entflammbar
Difficilement inflammable
Difficilmente infiammabile
Fire retardant
Roh gelasert, 12.0 mm

Look beyond the obvious
to find something
special.

RESTAURANT
STORE
HOTEL



DE Oft schränkt die Anforderung «schwer entflammbar» die Materialwahl ein. SWISSCDF entspricht dieser Brandklassifizierung nach EN 13501-1 und lässt dadurch die Anwendungsvielfalt wachsen.

FR Bien souvent, le critère «difficilement inflammable» restreint le choix de matériaux. SWISSCDF est conforme à ce classement au feu conformément à la norme EN 13501-1 et permet ainsi d'accroître la diversité d'applications.

IT Molto spesso la proprietà «difficilmente infiammabile» delimita la scelta del materiale. SWISSCDF ottenu i requisiti di questa classificazione di reazione al fuoco ai sensi della norma EN 13501-1 e permette così di aumentare la varietà di possibili applicazioni.

EN A fire retardant requirement often limits the choice of materials. SWISSCDF corresponds to this fire classification pursuant to EN 13501-1, thus broadening the range of applications.

WC/CUBICLE
PARTITION
LOCKER

074

075

076

077

078

079

080

081

082

083

084

085

086

087

088

089

090

091

092

093

094

095

096

097

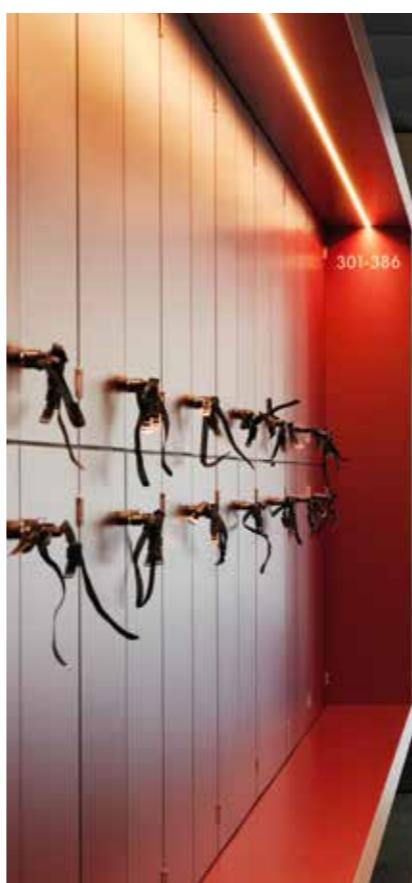


Quellungsarm
Faible gonflement
Rigonfiamento ridotto
Low swelling
U 575 PE, WB03, 12.4 mm

It's hard to make it
look easy.



WC/CUBICLE
PARTITION
LOCKER



DE Lassen Sie Orte, die unspektakulär erscheinen, zum Erlebnis werden! SWISSCDF ist spritzwasserresistent und perfekt für kreative Anwendungen in Innenräumen mit erhöhter Feuchtigkeit.

FR Donnez un caractère exceptionnel aux lieux qui semblent banals! SWISSCDF est résistant aux projections d'eau et convient parfaitement aux applications créatives dans des intérieurs à fort taux d'humidité.

IT Trasformate dei luoghi dall'aspetto angusto in un vero e proprio spettacolo! SWISSCDF è resistente agli spruzzi d'acqua e si presta perfettamente per applicazioni creative negli interni caratterizzati da elevata umidità.

EN Allow places that seem unspectacular to become an experience! SWISSCDF is splash-resistant and perfect for creative applications in interiors with a high humidity factor.

SWISSCDF is environmentally friendly



DE SWISSCDF ist umweltfreundlich

- Aus Schweizer Holz von nachhaltig bewirtschafteten Wäldern.
- Bei der Produktion werden über 90% erneuerbare Energieträger verwendet.
- SWISSCDF fügt sich vollständig in die Kaskadennutzung des Holzkreislaufes ein.
- Speichert CO₂ und schont die Umwelt.

FR SWISSCDF respecte l'environnement

- Fait de bois suisse issu de forêts à gestion durable.
- Lors de la production, plus de 90% de ressources énergétiques renouvelables sont utilisés.
- SWISSCDF s'intègre parfaitement à l'utilisation en cascade du cycle du bois.
- Stock le CO₂ et protège l'environnement.

IT SWISSCDF è ecologico

- Prodotto da legno svizzero proveniente da foreste gestite in modo sostenibile.
- Durante la produzione vengono impiegati oltre il 90% di risorse energetiche rinnovabili.
- SWISSCDF si inserisce interamente nell'utilizzo a cascata del ciclo di vita del legno.
- Conserva CO₂ e rispetta l'ambiente.

EN SWISSCDF is environmentally friendly

- Made from Swiss wood that originates from sustainably managed forests.
- During its production, the energy sources used are 90% renewable.
- SWISSCDF completely integrates into cascade use of the wood cycle.
- Saves CO₂ and protects the environment.

Processing

DE Verarbeitung

Zur Verbindung können herkömmliche Schraub-, Klebe- und Leimtechniken angewendet werden. Der Werkstoff kann zudem ohne füllern und Zwischenschliff lackiert werden. Wir empfehlen Ihnen hierzu die Broschüre «Empfehlung für die mechanische Bearbeitung», erstellt in Zusammenarbeit mit LEUCO.

Bestellen Sie die Broschüre unter:

www.kronospan.ch/service/muster-kataloge.html

FR Usinage

La jonction peut se faire avec les méthodes de vissage et de collage conventionnelles. Le matériau peut par ailleurs être verni sans remplissage ni ponçage intermédiaire. Nous recommandons à cet effet la brochure «Recommandation pour l'usinage mécanique» rédigée en coopération avec LEUCO.

Commandez la brochure sur

www.kronospan.ch/fr/service/echantillons-catalogues.html

IT Lavorazione

Per il collegamento possono essere impiegate le comuni tecniche di avvitamento, incollaggio e laminazione. Il materiale inoltre può essere verniciato senza additivi e levigatura intermedia. Vi raccomandiamo a tal proposito di consultare la nostra brochure «Raccomandazioni per la lavorazione meccanica», redatta in collaborazione con LEUCO.

Potete ordinare la brochure al seguente indirizzo:

www.kronospan.ch/it/servizio/lordine-campione-cataloghi.html

EN Processing

For connection purposes, conventional screw, bonding and adhesive techniques can be used. The material can also be varnished without the need for fillers or intermediate sanding. In this context, we recommend the «Recommendation for Mechanical Processing» brochure that was created in collaboration with LUECO.

You can order the brochure at:

www.kronospan.ch/en/service/samples-brochures.html



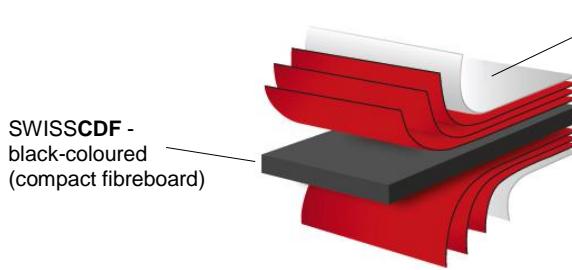
Fragen Sie nach FSC-
zertifizierten Produkten



SWISSCDF DECOR

Compact Density Fibreboard

Menznau, 01 March 2014 | Version 1.3 (supersedes all previously published data)

Characteristics	SWISSCDF is a high density, black coloured wood fibreboard ($>1'000 \text{ kg/m}^3$). With the support board and the multilayer structure, SWISSCDF sets new standards in both design-oriented and structural interior design. Stability, scratch resistance, splash water resistance and flame retardancy are among the positive characteristics of this natural wood material.
Use	SWISSCDF is ideal for the construction of furniture and objects subjected to severe surface stresses and high demands in terms of its robustness, such as <ul style="list-style-type: none"> – in design-focused interior fittings: high-quality sideboards, wall combinations, open shelves and office and school furniture – in spaces with increased humidity (in the case of splash water, with no permanent contact with water and not submerged in static water): as kitchen and bathroom fronts, lockers in sports and spa areas and partition walls in sanitary areas – in shopfitting: changing rooms, carcass for high-quality product presentations and design elements – for CNC milling/cutting of lettering, logos, ornaments and 3D effects through coloured multilayer structure
Technical classification	High-density wood fibreboard ($>1'000 \text{ kg/m}^3$) for non-load-bearing purposes, with Melamine coating, suitable for applications in interior design which are subject to moisture exposure
Product structure	 <p>Multilayer paper (on each side) Uppermost layer decor paper x layers of barrier paper</p> <p>SWISSCDF - black-coloured (compact fibreboard)</p> <p>WB07 Four sheet structure with 0.7mm WB05 Three sheet structure with 0.5mm WB03 Two sheet structure with 0.3mm</p>
Processing	When processing SWISSCDF DECOR, please follow the information below: <ul style="list-style-type: none"> – Working and cutting of the material must be performed using hard metal tools. For larger batches and when using modern machine tools, we recommend using diamond-tipped tools. – The high bulk density must be taken into consideration regarding the processing parameters. Sharp, hard-cut tools are important in order to achieve optimum edge quality. – In order to provide optimum protection against humidity and apply a finish, the black edges are ground and treated using varnish, wax, oil or other hydrophobizing media (e.g. Jowapur 678.00). – Fittings can be fixed to the surface by screwing or using construction adhesive. – For detailed recommendations regarding adhesives, refer to: www.swisscdf.com – Packs should be stored in horizontal position on a flat, supportive and even surface (Ideal Storage conditions are 15-25°C, 45-65% Humidity). – Permanent exposure to heat is admissible up to temperatures of 50°C. For short periods of time (1 hour at the most) temperatures of up to 90°C are admissible. Continuous exposure to temperatures of over 50°C may lead to cracks in the surface. – The surface can be treated with a damp cloth and a mild, non-abrasive cleaning agent.
Certification labels	 <p>Excellent moisture resistance flame-retardant low emissions Swiss-made made of Swiss wood from sustainable forestry regions (certificate can be provided upon request) low CO₂ production quality-tested / environmentally approved</p> <p>FSC PEFC CO₂ reduzierter Swiss TS ISO 9001 ISO 14001</p>

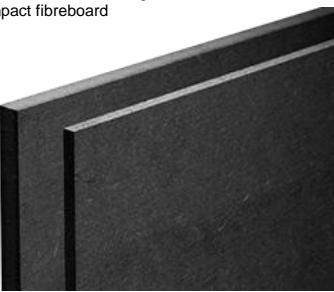
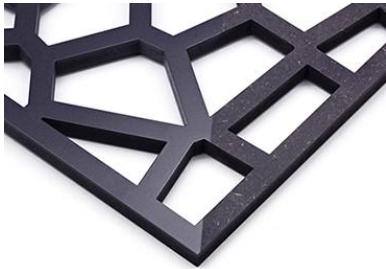
Technical safety and other information

- ¬ Due to the large weight of the product, please take special care during handling (ensure correct lifting; prevent risks of crushing, etc.).
- ¬ Saw dust / buffing dust may occur during processing; do not breathe in this fibre dust (wear protective equipment and use air extraction device)! In order to prevent dust explosion, wood dust must always be extracted. Store unprocessed panels by laying them in a flat position in a dry environment!
- ¬ This product is not classified as a hazardous good and is thus not subject to statutory labelling requirements (hazardous goods ordinance / ordinance on waste management).
- ¬ The support board is bonded with Melamine-urea-formaldehyde resin (MUF); however, free formaldehyde is hardly present and practically does not escape from correctly processed boards (E1 undercut by factor 9-10). Suitable for indoor application!
- ¬ The product is chemically stable and is non-toxic, convenient for indoor applications.
- ¬ SWISSCDF is a product obtained from sustainable forestry. The thinning wood used, helps to preserve Swiss forests.
- ¬ The product may be recycled after its 1st life cycle or used to generate thermal energy in a suitable plant (CO₂-free energy).

SWISSCDF RAW

Compact Density Fibreboard

Menznau, 01 March 2014 | Version 1.3 (supersedes all previously published data)

Characteristics	SWISSCDF RAW is an extremely robust high density, black coloured wood fibreboard ($>1,000 \text{ kg/m}^3$). Its high strength across the complete board cross section facilitates three-dimensional processing without any risk of fraying. SWISSCDF RAW is a natural material made of Swiss wood which defibres gently and is manufactured according to ecological principles.											
Use	<p>SWISSCDF RAW can be used as extremely compact, robust support board. Thanks to its black colouring and the compact product structure, the board can also be used as an attractive surface without additional coating. The excellent machinability into the depth of the panel allow for the creation of various three-dimensional elements for creative furniture and building design.</p> <p>SWISSCDF RAW is ideally suited for applications requiring ecologically sustainable material due to its environmentally compatible manufacturing.</p>											
Technical classification	High-density wood fibreboard ($>1,000 \text{ kg/m}^3$) for non-load-bearing purposes for interior applications in areas subject to high exposure to moisture.											
Product structure	SWISSCDF black-coloured; homogenous cross section; extremely compact fibreboard				Fine machining possible (delicate cutting patterns) due to the extreme compactness of the material.							
												
Processing	<p>When processing SWISSCDF RAW, please follow the information below:</p> <ul style="list-style-type: none"> – Working and cutting of the material must be carried out using hard metal tools. For larger batches and when using modern machine tools, we recommend using diamond-tipped tools. – The high bulk density must be taken into consideration regarding the processing parameters. Sharp, hard-cut tools are important in order to achieve optimum edge quality. – For optimum protection against humidity and to finish, the black edges are ground and treated using varnish, wax, oil or other hydrophobizing media (e.g. Jowapur 678.00). – Screw connections must always be pre-drilled. – For detailed recommendations regarding adhesives, please refer to: www.swisscdf.com – Store the fibreboard in a horizontal and fully supported position (optimum storage room conditions: 15-25°C, 45-65% relative humidity). 											
Certification incl. test records	 low-swelling  flame retardant  low emissions  Swiss made  made of Swiss wood  from sustainable forestry regions (certificate can be provided upon request)  low CO ₂ production  quality-tested / environmentally approved 											

Product range and technical data

Product range

for fibreboard format 2800mm x 2070mm

Thickness (panel thickness)

6.0 8.0 10.0 12.0 12.4 16.0 19.0 mm

Technical data of SWISSCDF ROH (acc. to EN 622-5: Fibreboards – requirements for the boards after drying process MDF) ¹⁾

Test parameters	Values							Requirement	Test standard
Thickness (panel thickness)	6.0	8.0	10.0	12.0	12.4	16.0	19.0 mm		EN 324-1
Thickness tolerance [acc. to EN 622-1]	±0.2	±0.2	±0.2	±0.2	±0.2	±0.2	±0.2 mm	±0.2	EN 324-1
Raw density	>1,000	>1,000	>1,000	>1,000	>1,000	>1,000	>1,000 kg/m ³	> 800 ²⁾	EN 323
Flexural strength	>60	>60	>60	>60	>60	>55	>55 N/mm ²	20 - 23	EN 310
Flexural elasticity module	>6,000	>6,000	>6,000	>6,000	>6,000	>5,500	>5,500 N/mm ²	2,200 - 2,700	EN 310
Resistance to direct pull	>2.0	>2.0	>2.0	>2.0	>2.0	>1.8	>1.8 N/mm ²	0.55 - 0.65	EN 319
Face strength	>2.5	>2.5	>2.5	>2.5	>2.5	>2.5	>2.5 N/mm ²	0.8 - 1.2 ²⁾	EN 311
Thermal conductivity	0.18	0.18	0.18	0.18	0.18	0.18	0.18 W/(mK)	0.14	EN 13986
Panel humidity [acc. to EN 622-1]	≥5 %	≥5 %	≥5 %	≥5 %	≥5 %	≥5 %	≥5 % weight	4 - 11 %	EN 322
Thickness swelling (in water 24h)	<7 %	<7 %	<5 %	<5 %	<5 %	<5 %	<5 % Thickn.	12 - 30 %	EN 317
Fire performance	C-s2, d0 5.3 = fire-retardant, low smoke development								EN 13501-1 4.3 ²⁾ VKF
Chlorides: Lindan Pentachlorphen. PCP	n.d n.d in mg/kg (n.d. = non-determinable, i.e. not present)							Lindan 0 PCP <5	ChemVerbotV
Formaldehyde cont. [EN 622-1]	E1 ≤ 8 mg/100 g atro panel ≤ 0.124 mg/m ³ air							E1	EN1207717-1
Tolerances acc. to requirements of the standard [EN 622-1]	Length x width at 2.80 x 2.07 m, 5.60 x 2.07 m ±5.0 mm Edge straightness L and W 1.5 mm/m Rectangularity 2.0 mm/m Bulk density (deviation from average thickness within panel) ±7 %							meets the standard	EN 324-1 EN 324-2 EN 323
Ecological data acc. to SIA Product declaration SIA 493	Renewable energy > 90% Wood fibres 65-75% MUF adhesive 20-30% Swiss wood does not contain waste wood no chlorides wood free from biocides coating free from heavy metals biologically/thermally recyclable							high quality	SIA 493.05

excellent properties of the support board



high density



flexible



rigid



resistant to direct pull



low swelling



flame-retardant

¹⁾ SWISSCDF is an innovation product; there is no standard available. Requirements pursuant to EN 622-1 (general), 622-5 for MDF apply
²⁾ common values. No requirement.

Technical safety and other information

- Due to the high product weight, please take special care during handling (ensure correct lifting; prevent risks of crushing, etc.).
- Saw dust / buffering dust may occur during processing; do not breathe in this fibre dust (wear protective equipment and use air extraction device)! In order to prevent a dust explosion, wood dust must always be pneumatically extracted. Store unprocessed panels by laying them in a flat position in a dry environment!
- This product is not classified as a hazardous good and is thus not subject to statutory labelling requirements (hazardous goods ordinance / ordinance on waste management).
- The support board is bonded with Melamine-urea-formaldehyde resin (MUF); however, free formaldehyde is hardly present and practically does not escape from correctly processed boards (E1 undercut by factor 9-10). Suitable for indoor application!
- The product is chemically stable and is non-toxic, convenient for indoor applications.
- SWISSCDF is a product obtained from sustainable forestry. The thinning wood used, helps to preserve Swiss forests.
- The product may be recycled after its 1st life cycle or used to generate thermal energy in a suitable plant (CO₂-free energy).