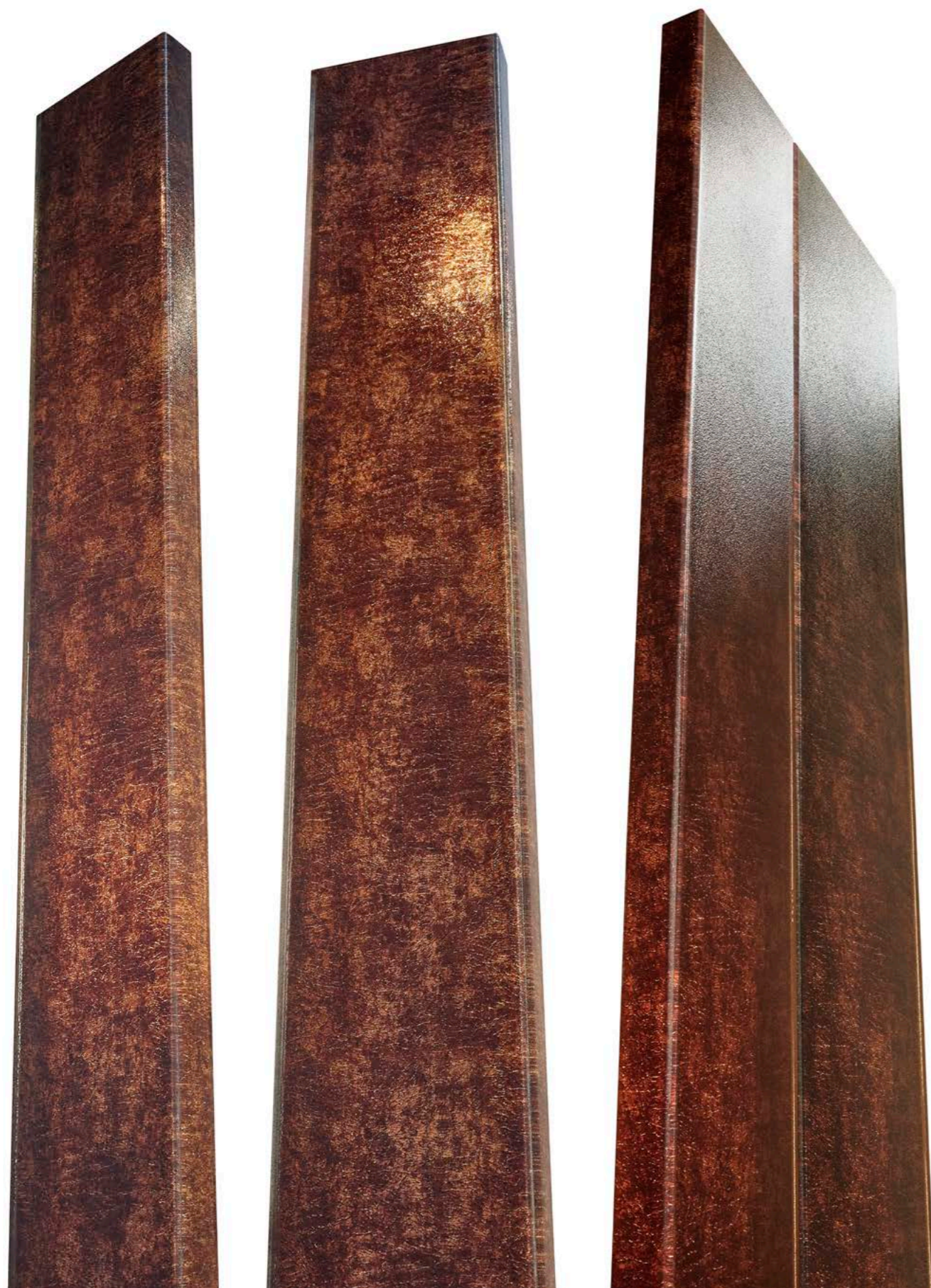


YOU-GLASS®

DECORATED GLASS U-PROFILE



SICIS®



P R E F A C E

YOUGLASS è un **PROFILO DI VETRO DECORATO** che nasce dall'esigenza degli architetti e dei progettisti di portare design e personalizzazioni con ampie gamme cromatiche sia in facciata per **ESTERNI** che in elementi di arredo per **INTERNI**. La peculiare forma del profilo di vetro che storicamente nasce per utilizzi di copertura residenziale ed industriale, diventa un elemento di design che può essere declinato in molte delle nostre collezioni decorative.

L'ELEVATA RESISTENZA MECCANICA dei profili in vetro permette di ottenere superfici continue snelle senza l'utilizzo di elementi verticali metallici di supporto.

Questo si traduce nella possibilità di ottenere **SUPERFICI ELEGANTI E RESISTENTI** ampliando le possibilità di progettazione degli ambienti interni ed esterni.

*YOUGLASS is a **DECORATED GLASS U-PROFILE** born from the need of architects and designers to bring design and customization with wide color ranges both for **OUTDOOR FAÇADES** and for **INTERIOR FURNISHINGS**.*

The peculiar shape of the glass profile that historically arises for residential and industrial roofing uses, becomes a design element that can be declined in many of our decorative collections.

***THE HIGH MECHANICAL STRENGTH** of the glass profiles makes it possible to obtain continuous surfaces without the use of vertical metal supporting elements.*

*This brings into the possibility to obtain **ELEGANT AND RESISTANT SURFACES**, expanding the design possibilities of internal and external environments.*



USO IN INTERNO
INTERNAL USE



Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6

Single standard element size: 10^{3/8} x 118^{1/8} x 2^{3/8}"

Su richiesta: fino a cm H.400

On request: up to 157^{1/2}"

Spessore: 6 mm

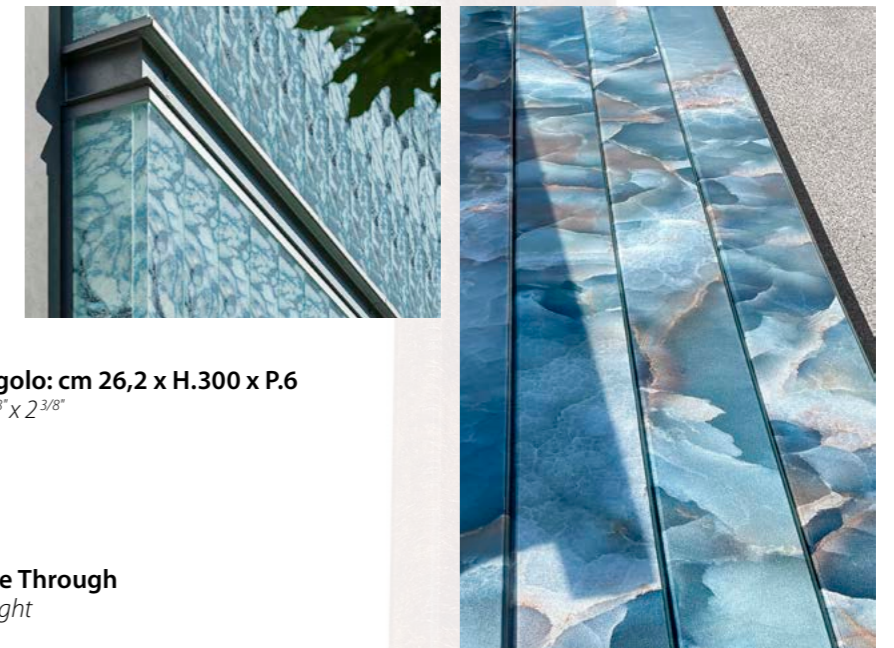
Thickness: 0 1/4"

Finiture disponibili: Opalescent / See Through

Available finishes: Opalescent / See Through



USO IN ESTERNO
EXTERNAL USE



Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6

Single standard element size: 10^{3/8} x 118^{1/8} x 2^{3/8}"

Su richiesta: fino a cm H.400

On request: up to 157^{1/2}"

Spessore: 6 mm

Thickness: 0 1/4"

Finiture disponibili: Opalescent / See Through

Available finishes: Opalescent / See Through



USO IN INTERNO
INTERNAL USE



Profilo di vetro elegante e resistente

Elegant and strenght glass U-profile

Personalizzabile

Customizable

Eccellenti resistenze meccaniche

Excellent load-bearing capacities

Superficie continua senza elementi verticali metallici di supporto

Maximum of glass and a minimum of frame profile



cm 300 • 118 1/8"

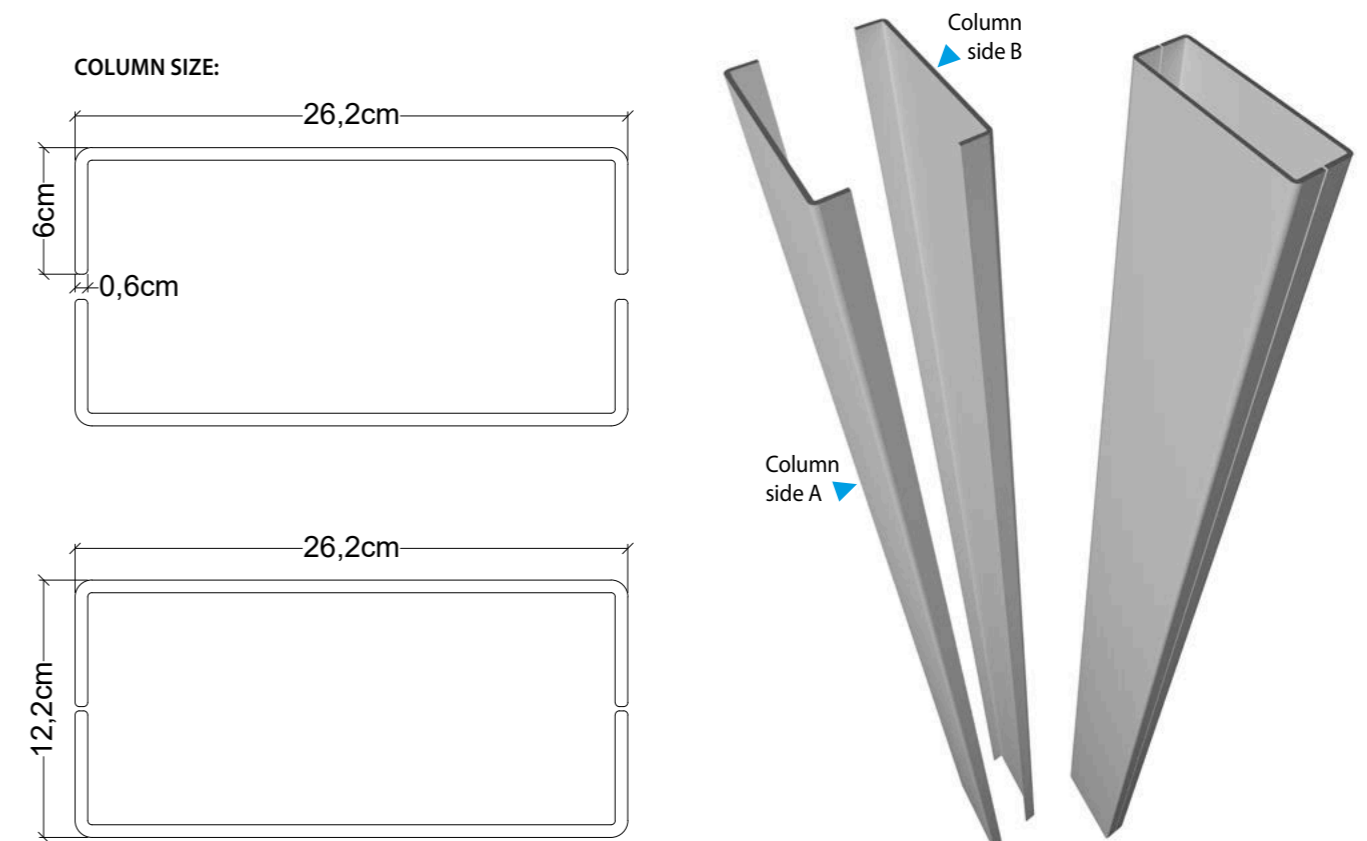
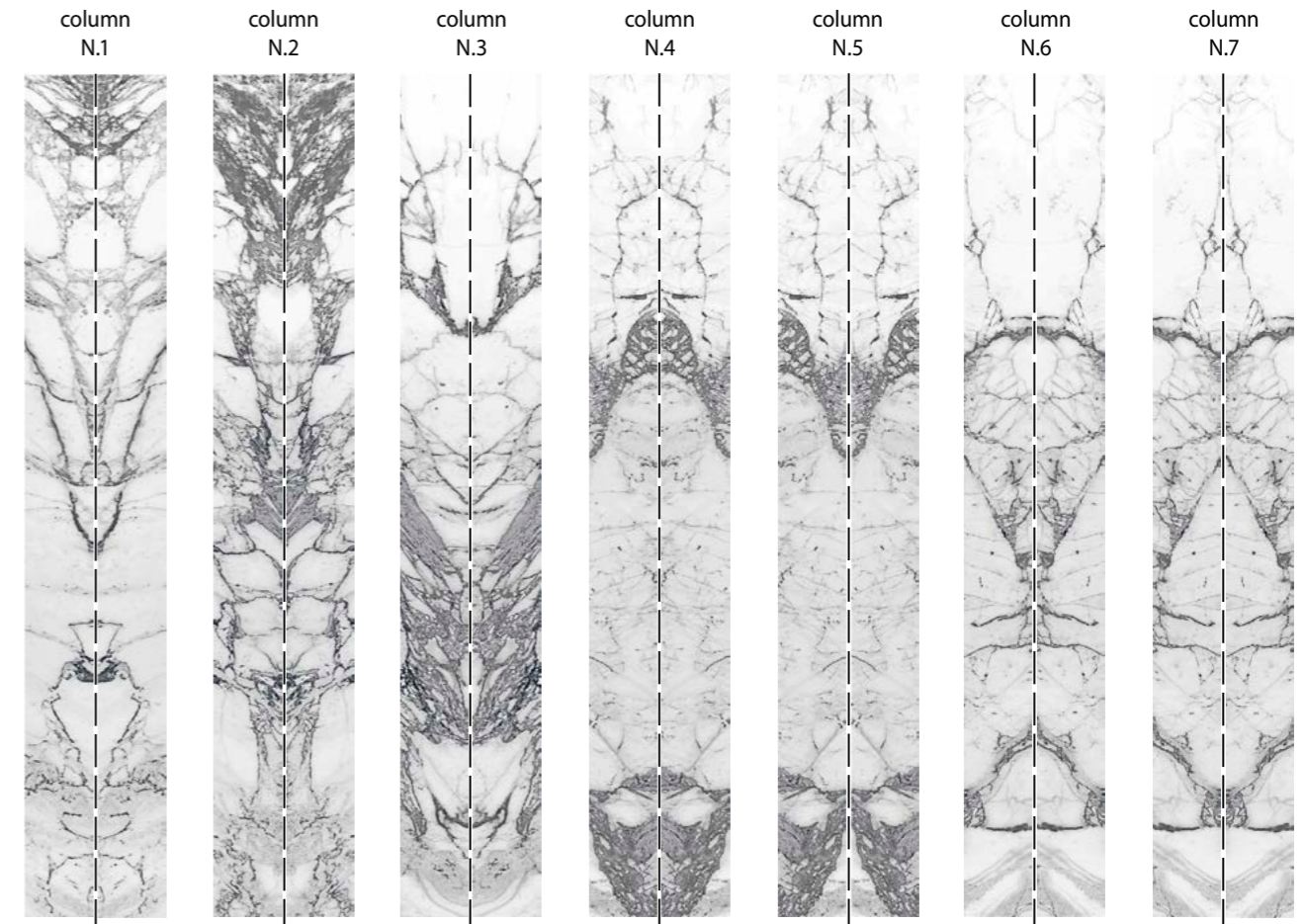
cm 26,2 • 10 3/8"

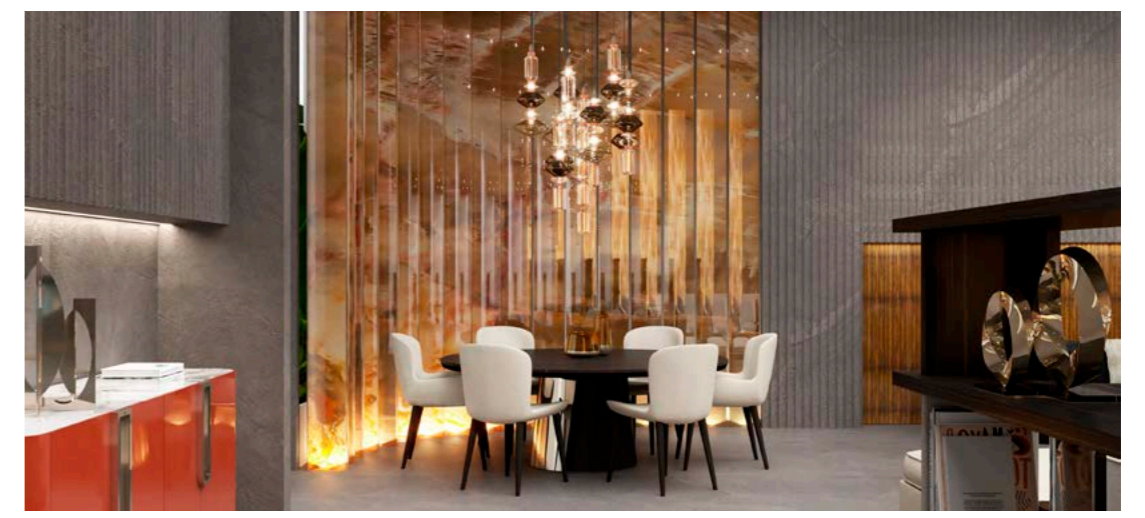
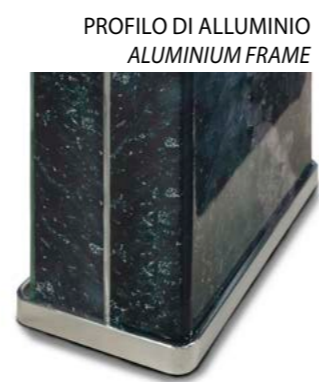
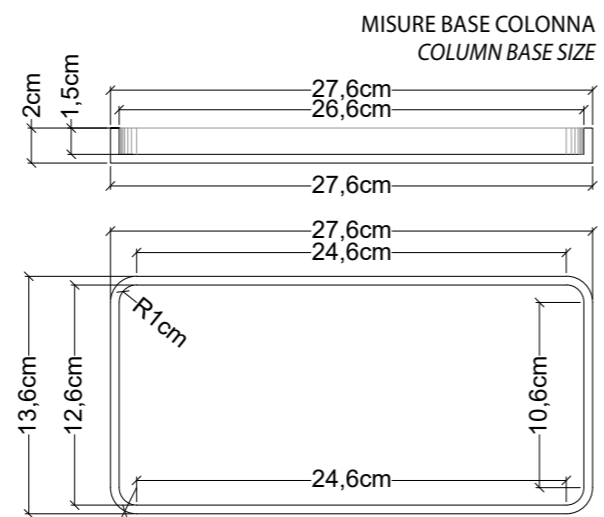
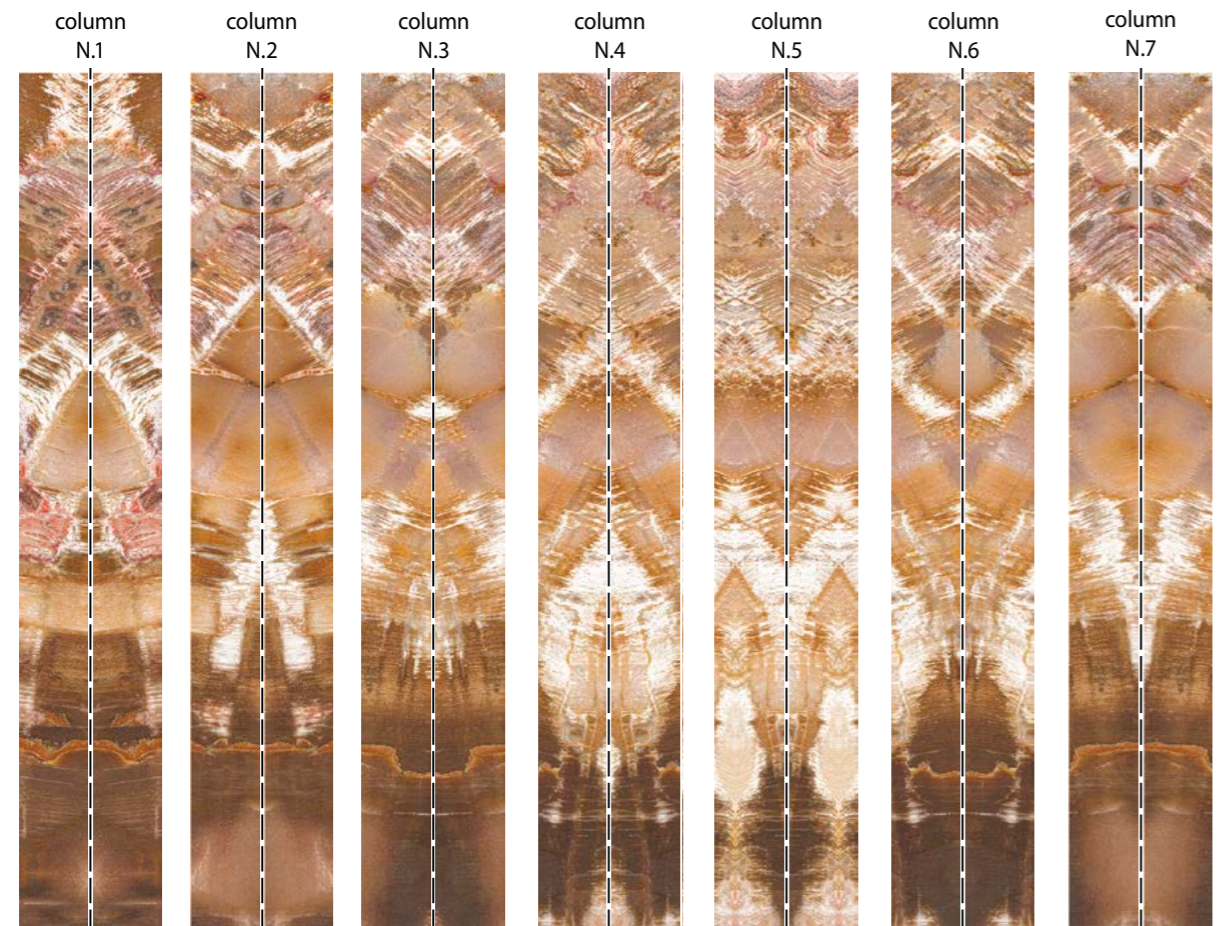
cm 6 • 2 3/8"

COLONNA
COLUMN

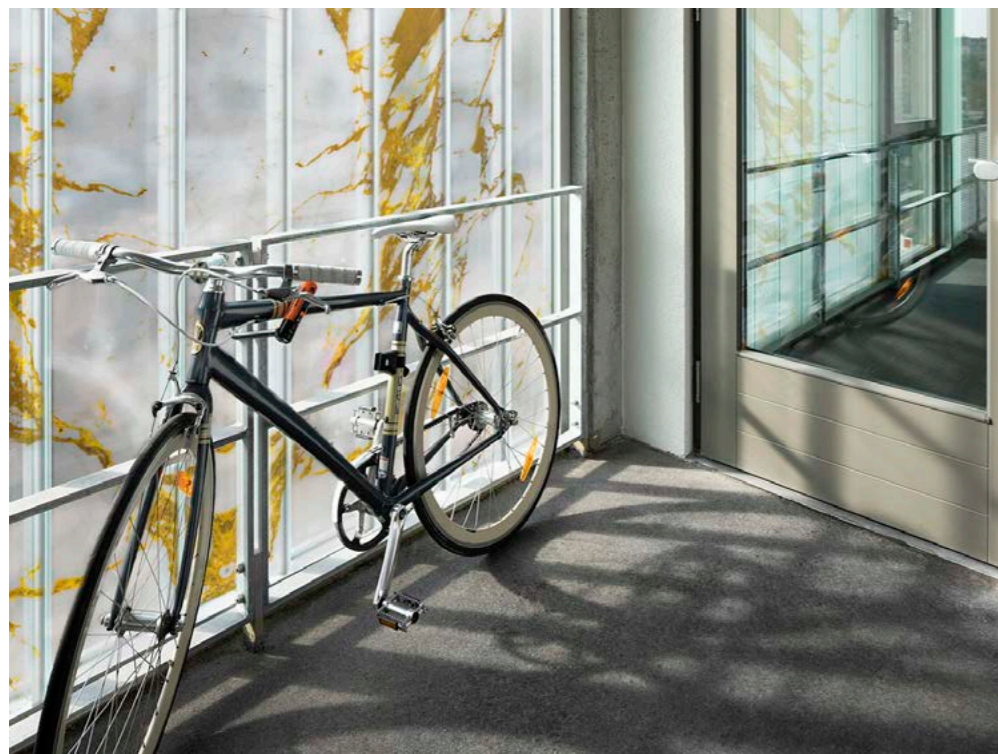
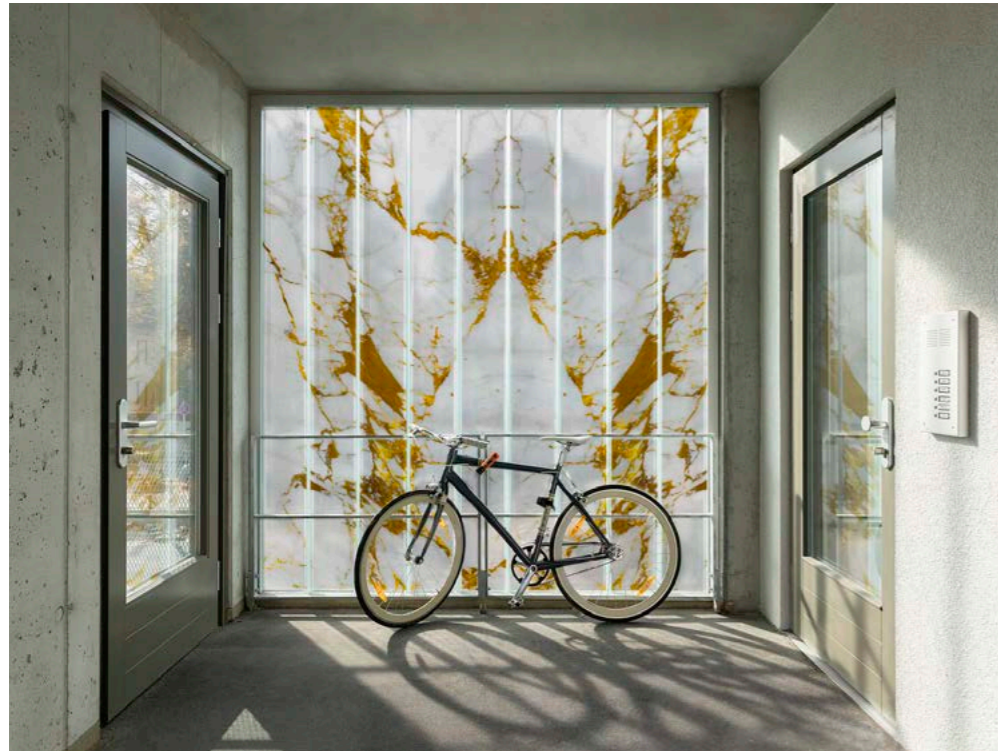


YOU-GLASS/Electric Marble Cal Silver COLUMNS
Project composition: development of columns. Every column is a bookmatch.





YOU-GLASS/Electric Marble Cal Gold
Example of bookmatch composition with 5 modules



YOU-GLASS/Electric Marble Cal Gold
Project composition: n.5 modules + bookmatch



module A
module A
reversed
module A
module A
reversed

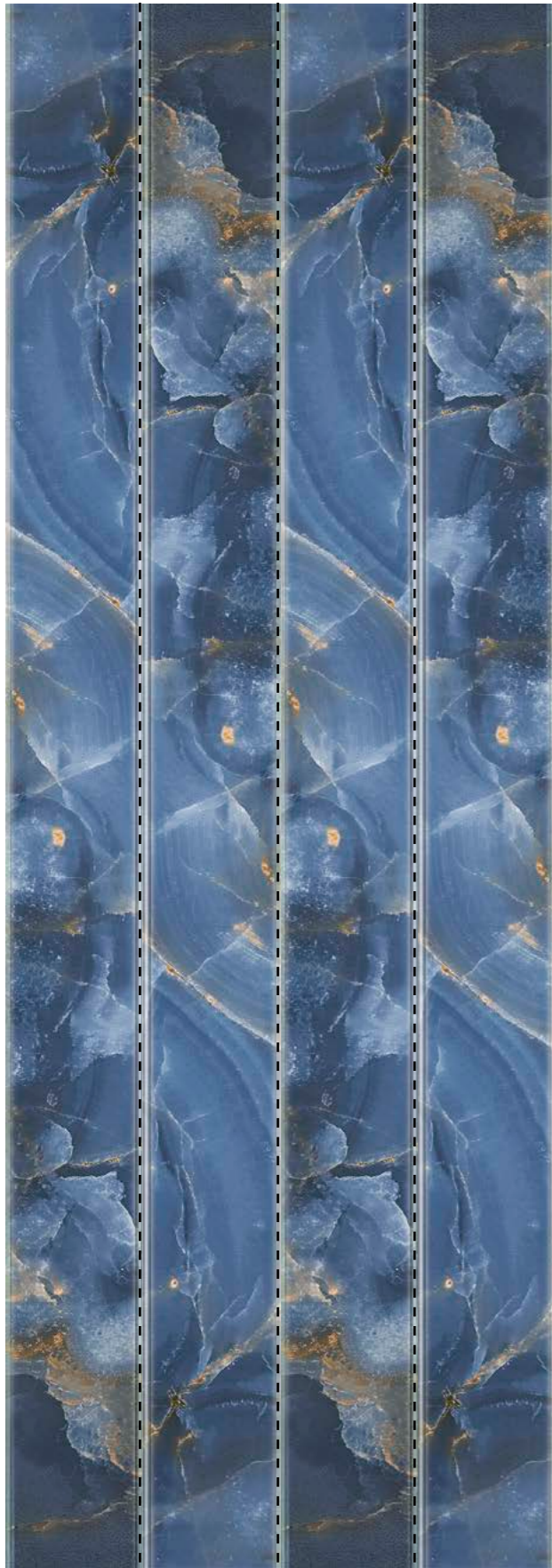


YOU-GLASS/Shanghai 02
Project composition:
n.2 modules

YOU-GLASS/Shanghai 02
Example of composition with n.2 modules

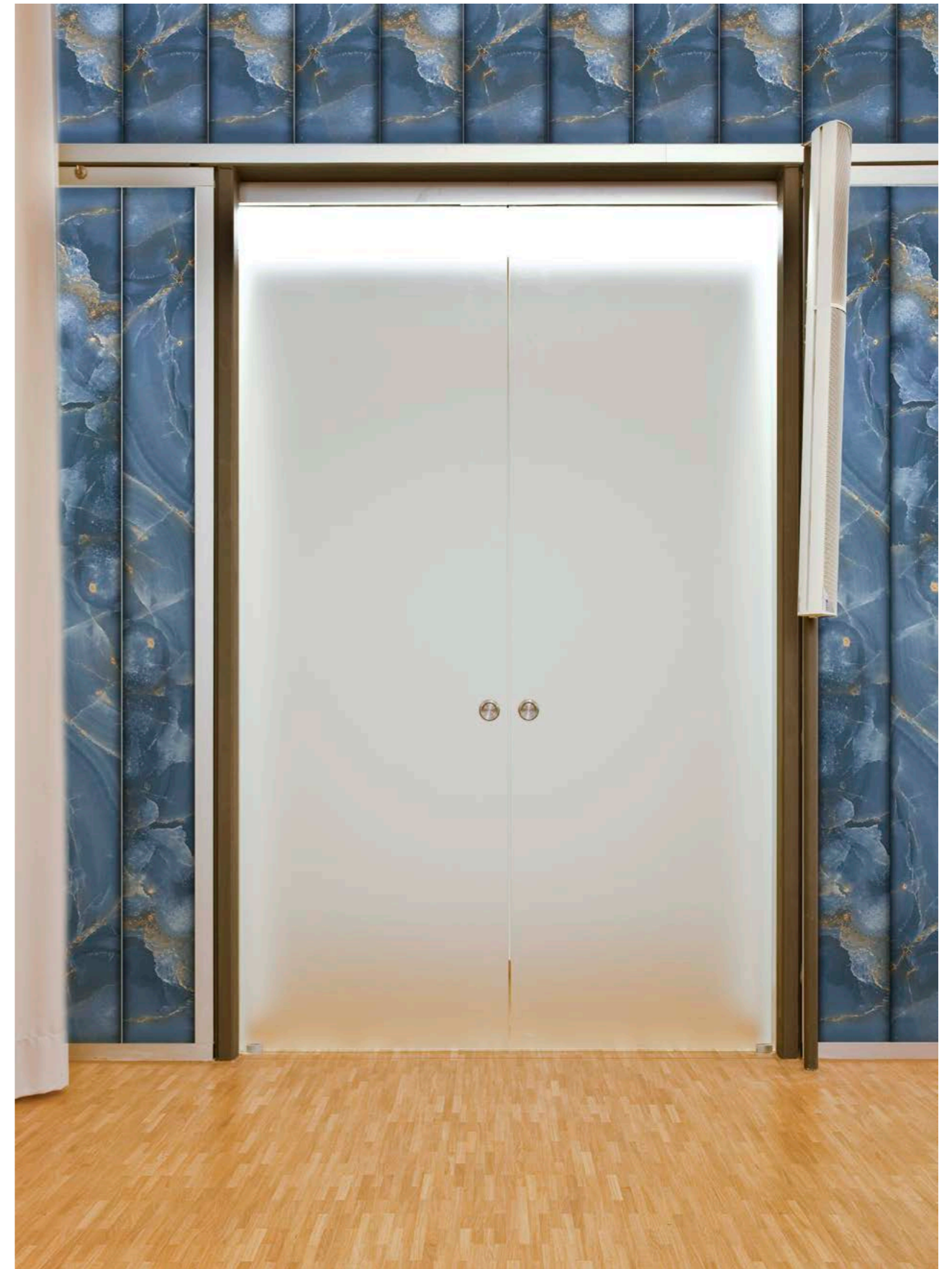


module A
module A
module A
module A
rotated
rotated

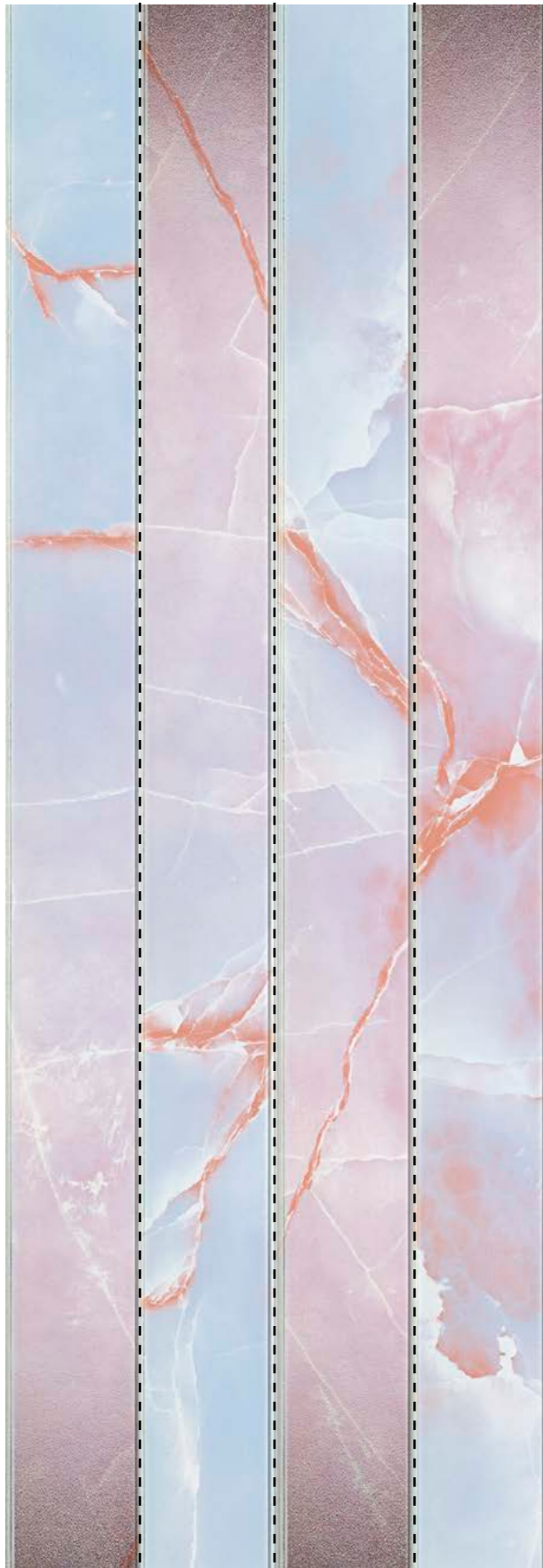


YOU-GLASS/Deep Blue
Project composition: n.2 modules

YOU-GLASS/Deep Blue
Example of composition with n.2 modules

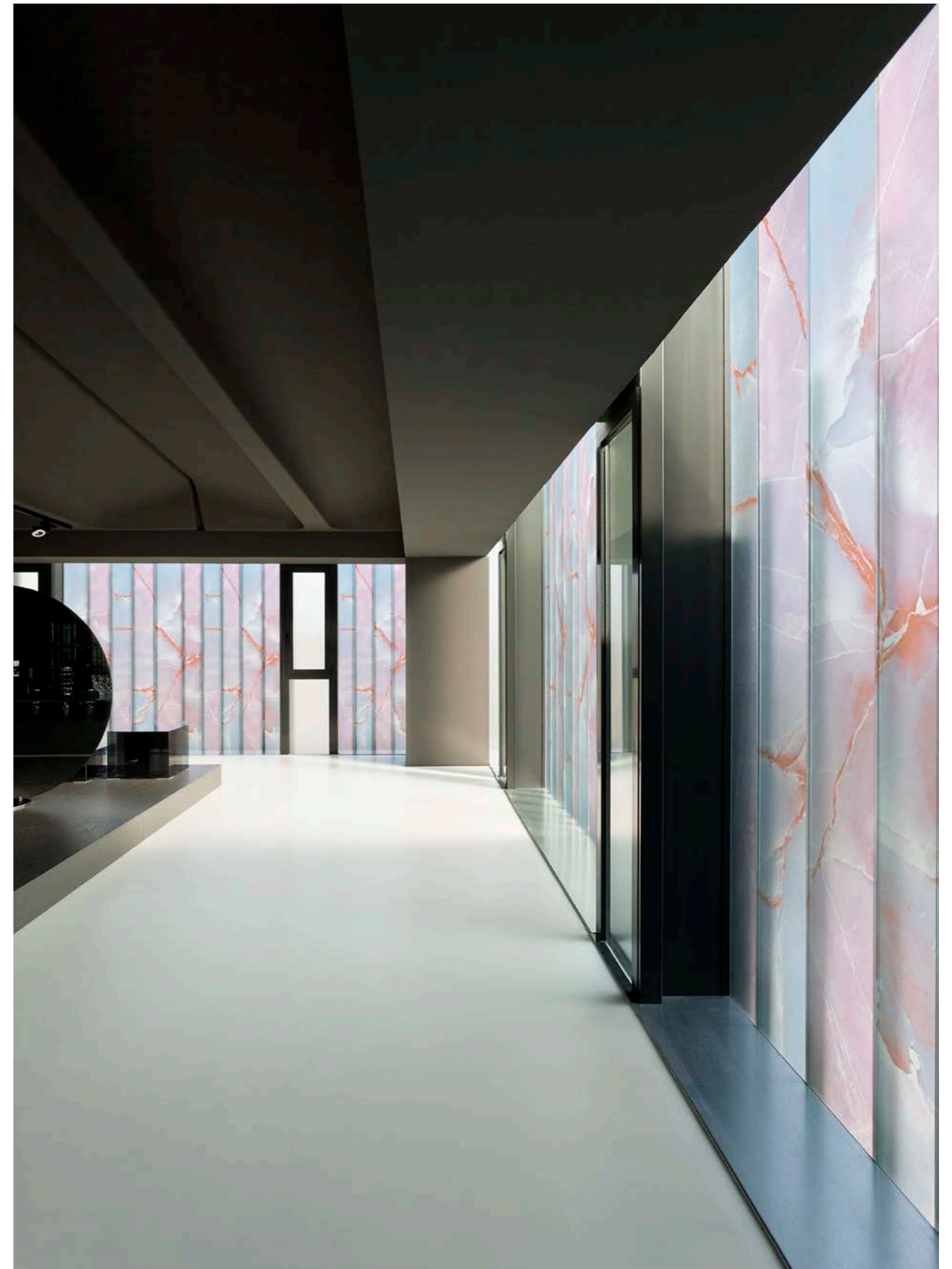


module A module B
*reversed
& rotated* module C module D
*reversed
& rotated*

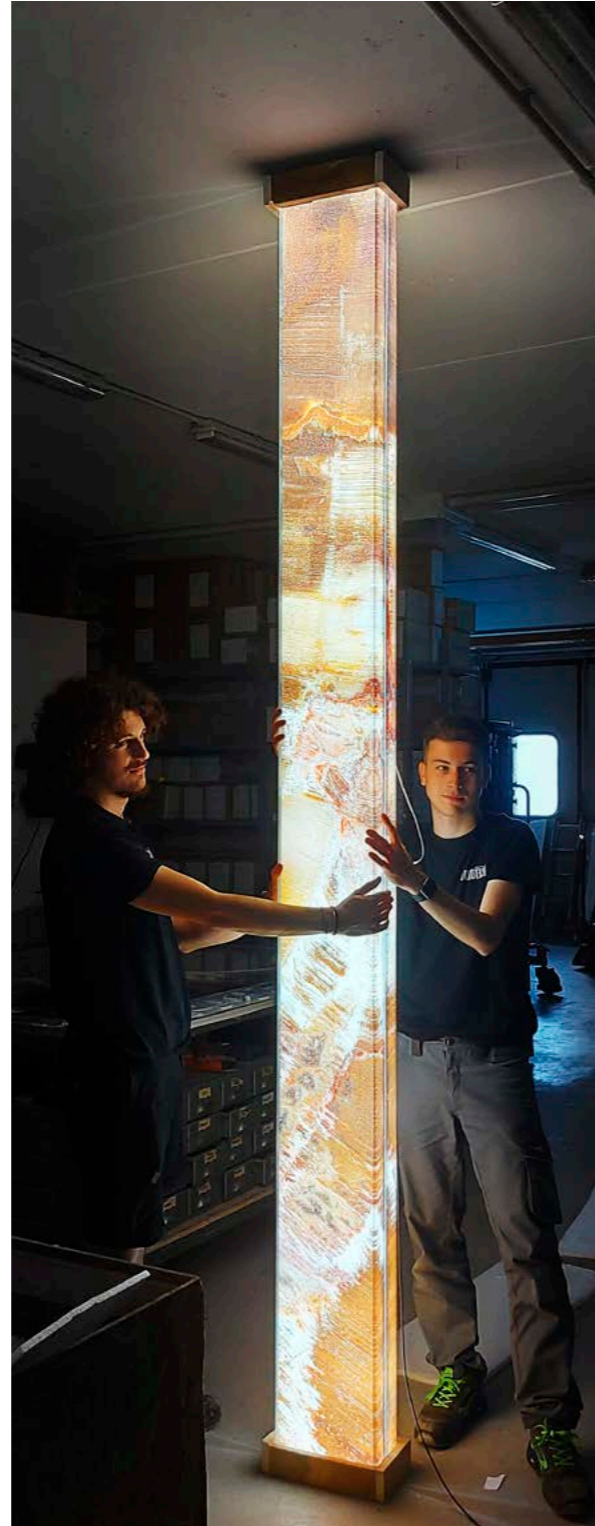
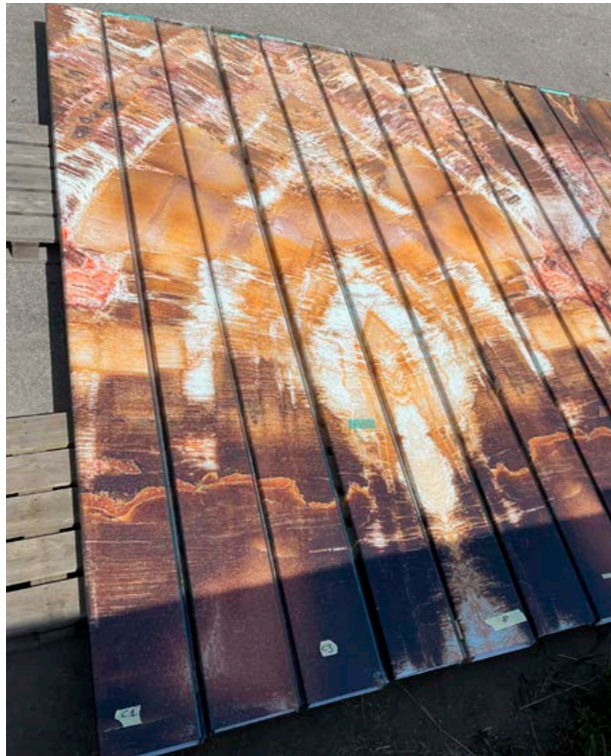
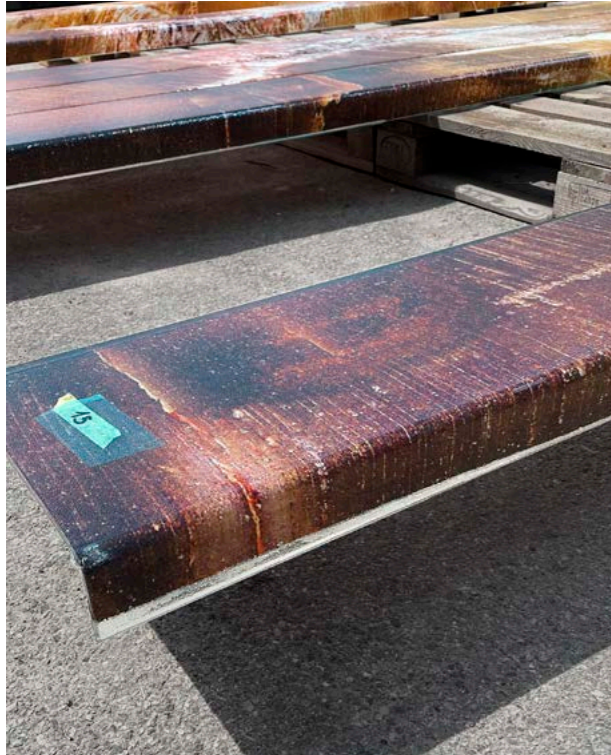


YOU-GLASS/Dusk
Project composition:
n.4 modules

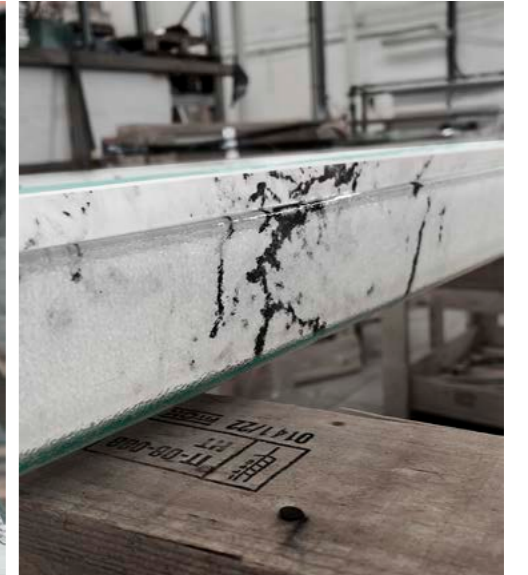
YOU-GLASS/Dusk
Example of composition with 4 modules



YOU-GLASS/Canyon
Example of backlit column



YOU-GLASS/Electric Marble Cal Silver



USO IN ESTERNO
EXTERNAL USE



Resistenza elevata agli shock termici

High thermal shock resistance

Coperture residenziali ed industriali

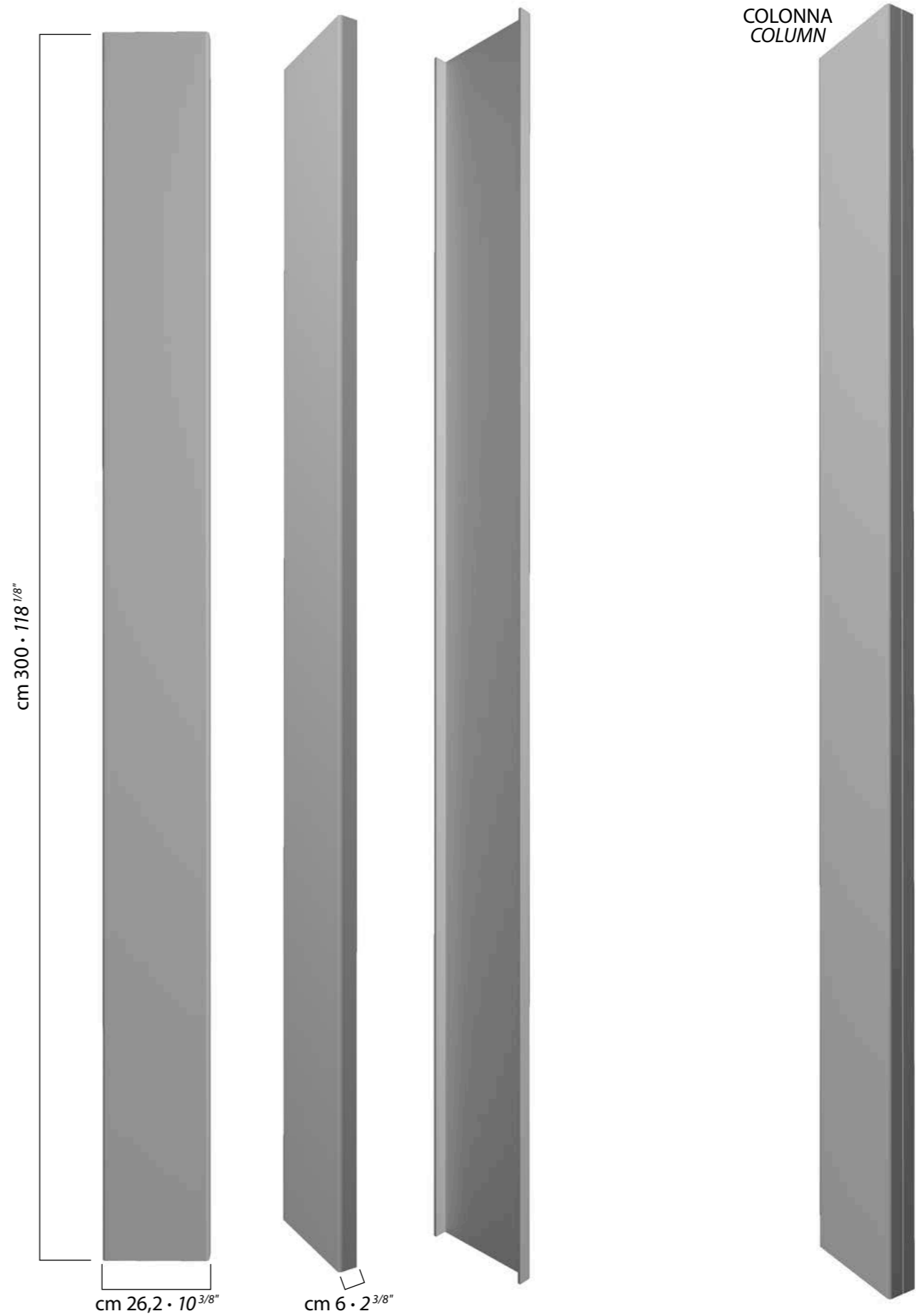
Residential and industrial roofing uses

Altezze considerevoli

Considerable lengths

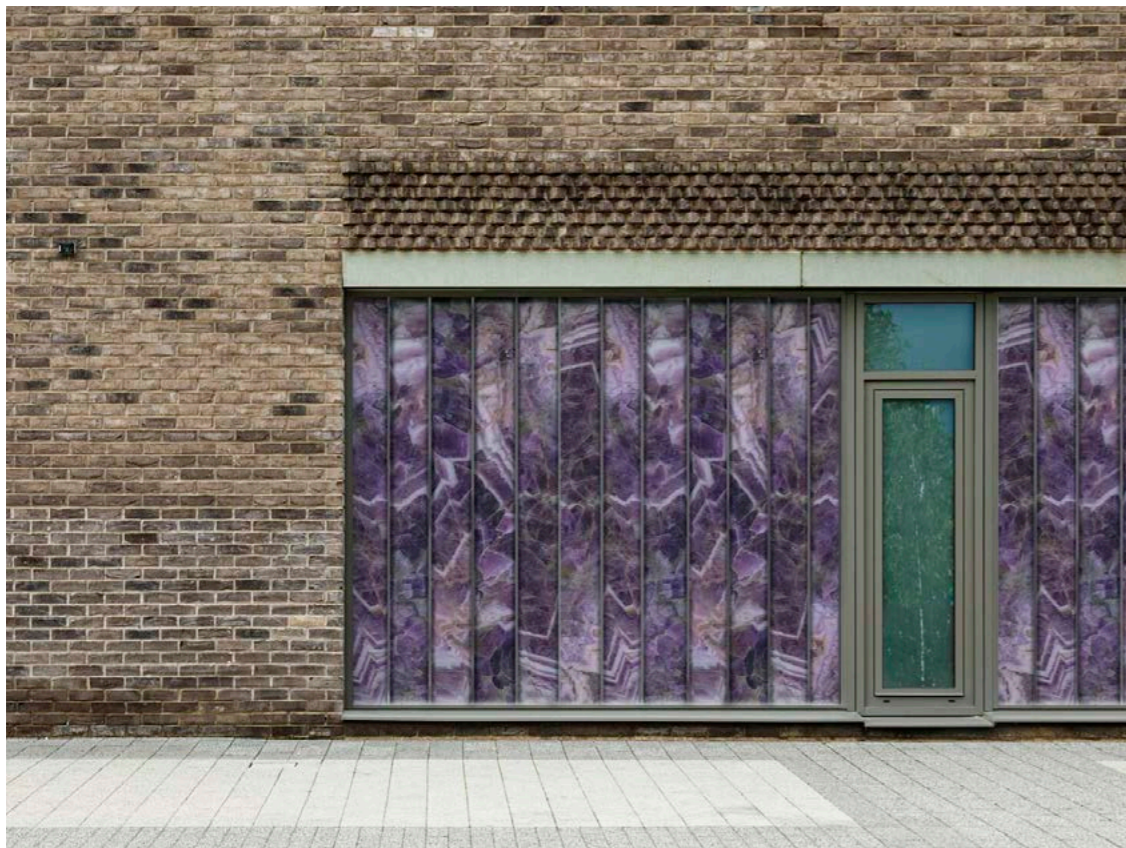
Superficie continua che minimizza la porzione di telaio

Maximum of glass and a minimum of frame profile

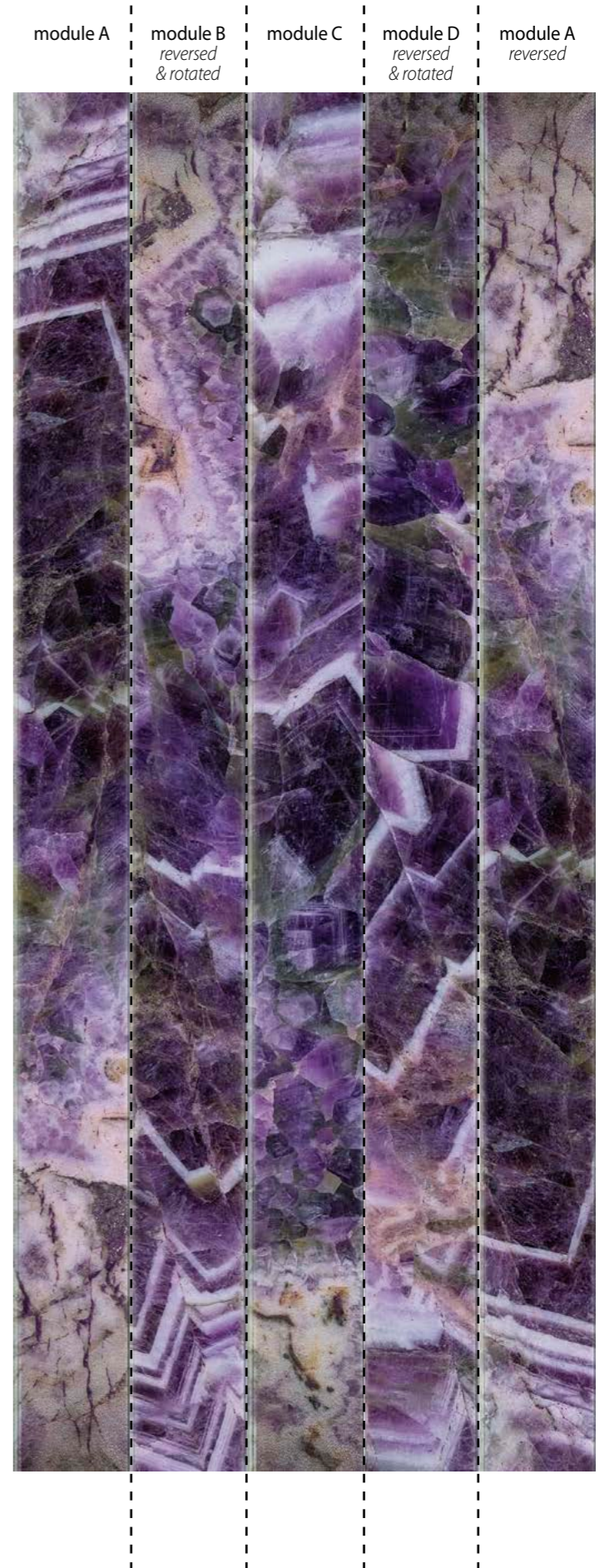




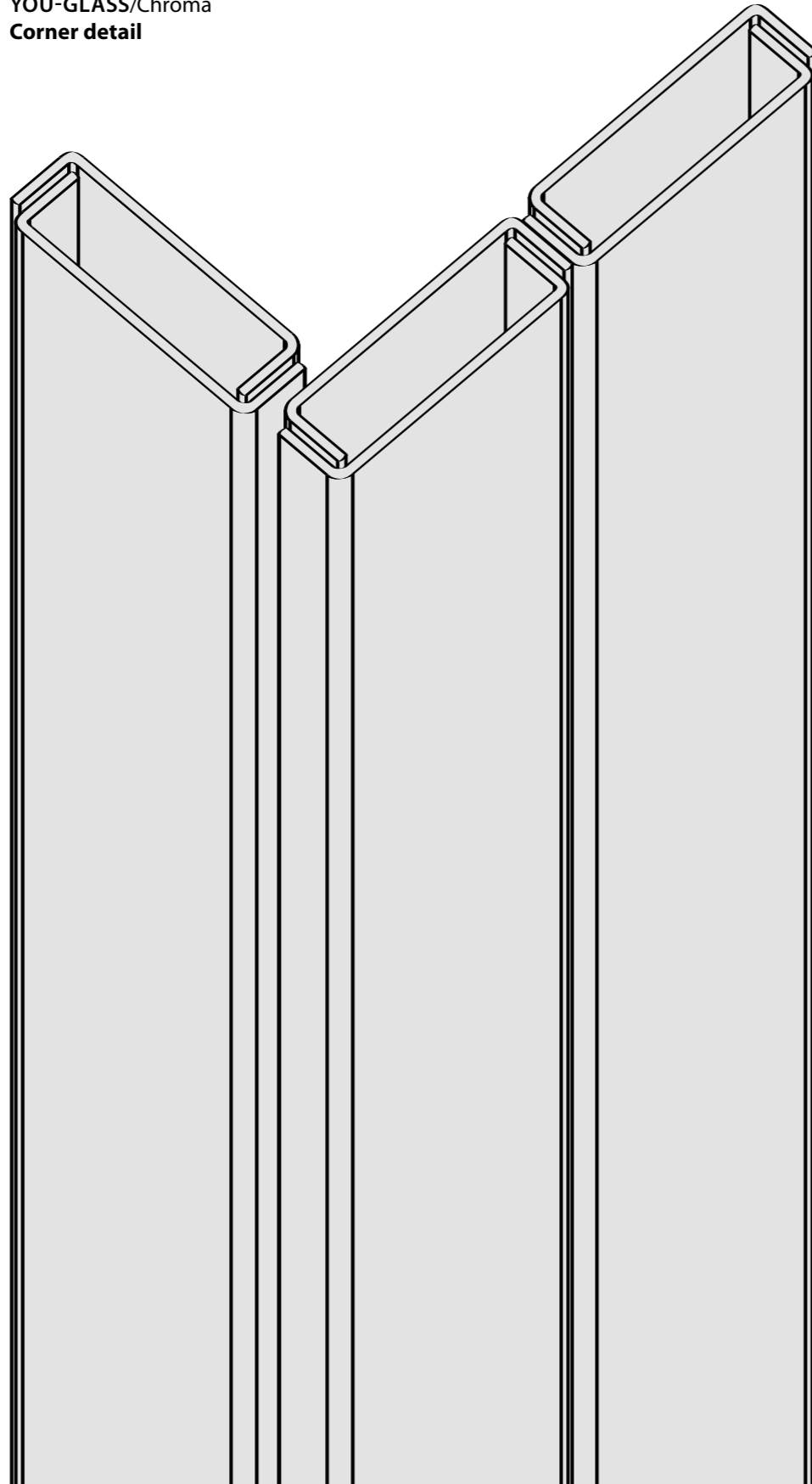
YOU-GLASS/Corundum
Example of composition with n.5 modules



YOU-GLASS/Corundum
Project composition: n.5 modules



YOU-GLASS/Chroma
Corner detail



module A



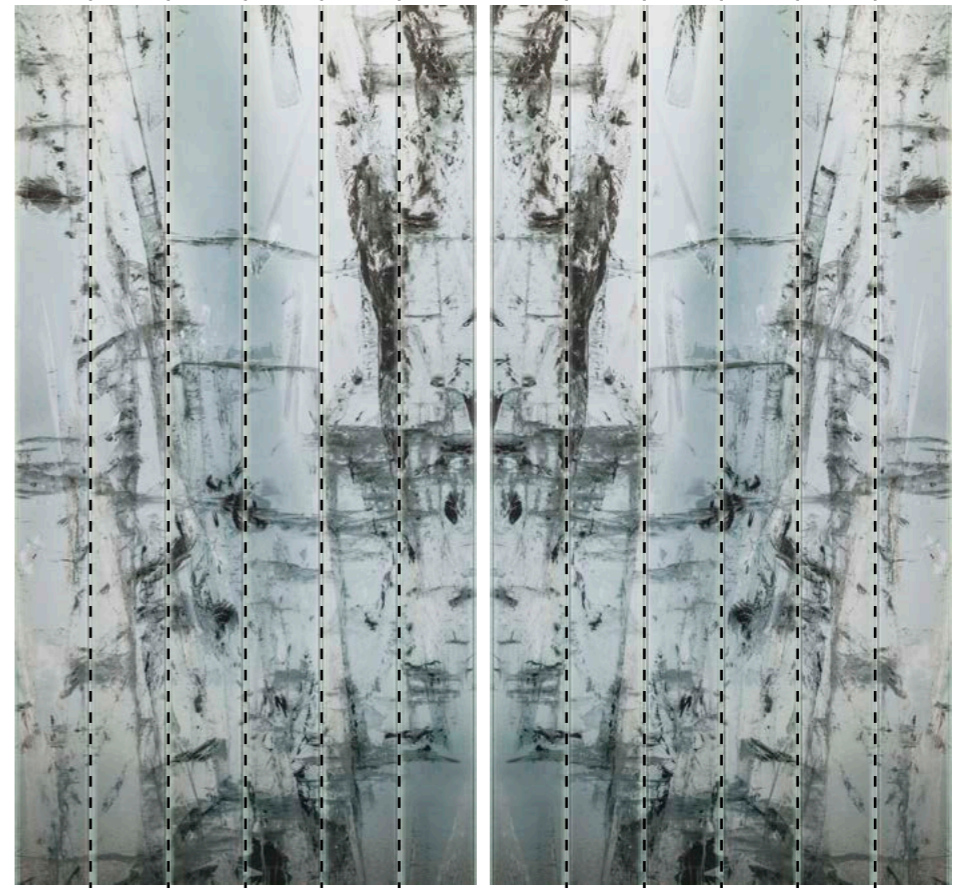
YOU-GLASS/Chroma
Example of composition with 1 module





YOU-GLASS/Rock
 Project composition: n.6 modules + bookmatch

mod. A | mod. B | mod. C | mod. D | mod. E | mod. F | mod. F | mod. E | mod. D | mod. C | mod. B | mod. A
 rev. | rev. | rev. | rev. | rev. | rev. | rev. | rev. | rev. | rev. | rev. | rev.



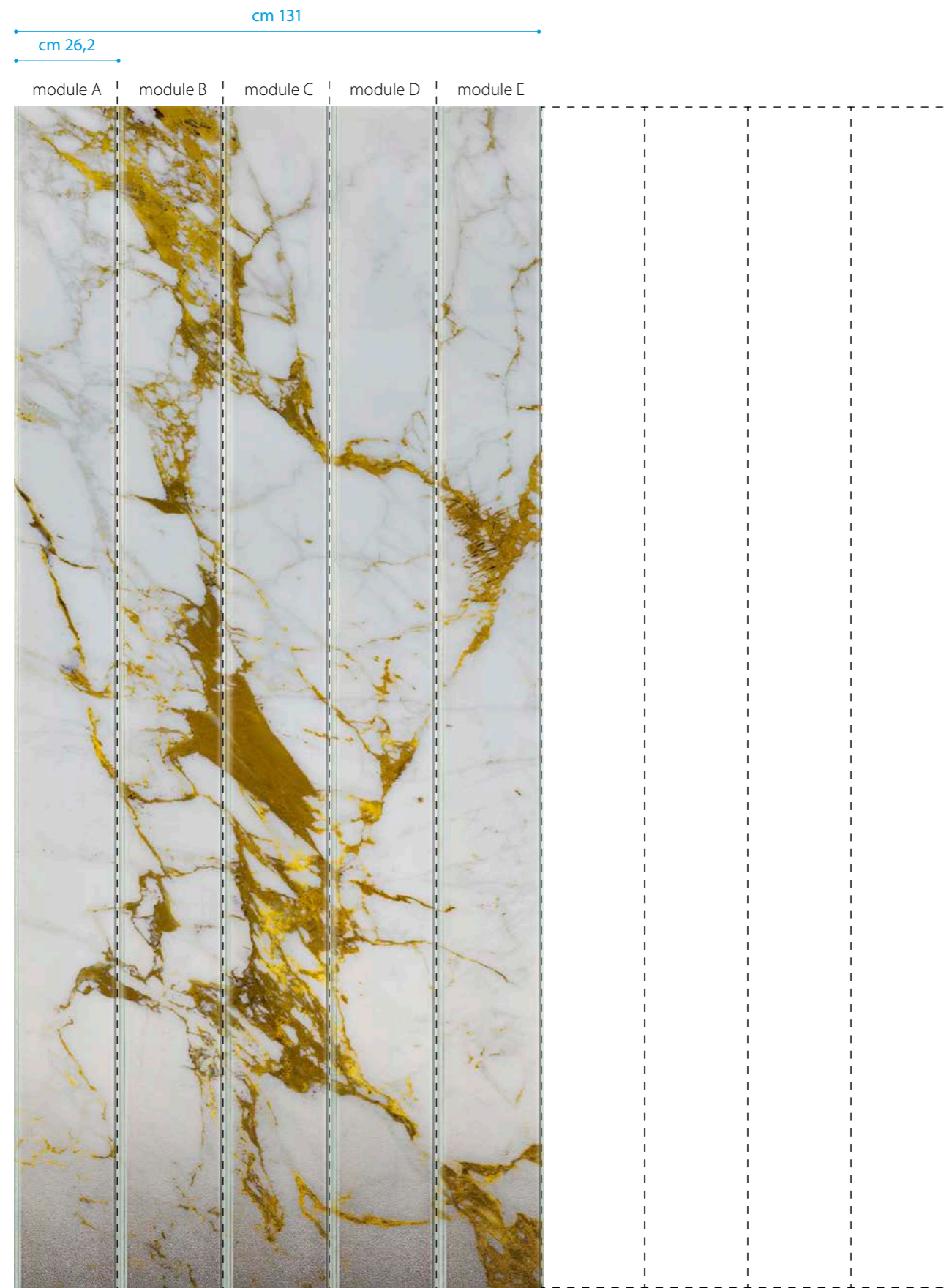
mod. A | mod. B | mod. C | mod. D | mod. E | mod. F | mod. F | mod. E | mod. D | mod. C | mod. B | mod. A
 rev. | rev. | rev. | rev. | rev. | rev. | rotated | rotated | rotated | rotated | rotated | rotated



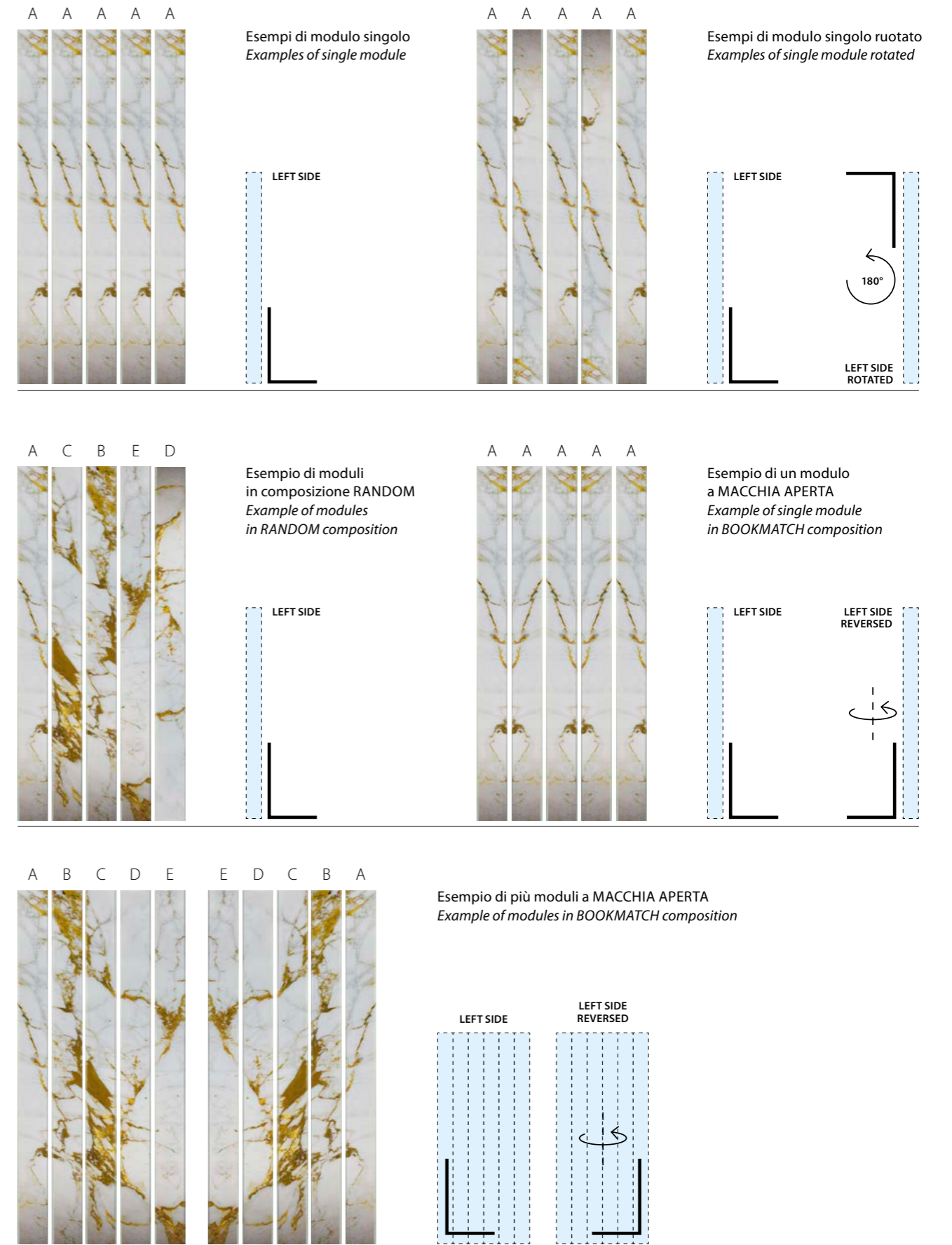
TECHNICAL DATA

Esempio di applicazione di
Electric Marble Cal Gold su You-Glass:
 YOU-GLASS / module A - B - C - D - E
 Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6

*Electric Marble Cal Gold application
 inside You-Glass system:*
 YOU-GLASS / module A - B - C - D - E
 Single standard element size: 10^{3/8"} x 118^{1/8"} x 2^{3/8"}



Il singolo modulo o gruppi di moduli possono essere ruotati, specchiati o utilizzati in composizioni random
The single module or more modules can be rotated, mirrored or can be utilized in random compositions



Dimensioni

You-glass, a differenza del vetro piano, grazie alla sua peculiare forma ad U, presenta eccellenti resistenze meccaniche che ne permettono l'utilizzo anche in altezza considerevoli (fino a 7 metri di lunghezza in funzione del carico del vento della zona di installazione) senza l'utilizzo di supporti intermedi. You-glass ha una resistenza statica così elevata che non ha bisogno di elementi di sostegno laterali. Il risultato si traduce in una facciata che massimizza le superfici in vetro e minimizza la porzione di telaio. You-glass viene fornito a partire da una lunghezza di 100 cm fino ad una lunghezza massima di 300 cm (dimensioni superiori a richiesta). All'interno di questa gamma, le dimensioni possono essere ordinate a qualsiasi lunghezza desiderata, nel rispetto delle tolleranze di produzione.

YOU-glass extrachiaro

YOU-glass extrachiaro è sicuramente l'eccellenza nel settore del vetro con profilo ad U. Grazie alla sua composizione a basso contenuto di ferro, YOU-glass extrachiaro presenta un elevato indice di trasmissione luminosa. Proprio per il fatto che YOU-glass extrachiaro si presenta più trasparente e con assenza di riflessioni verdi rispetto al prodotto Standard, è il prodotto preferenzialmente utilizzato da architetti e progettisti, soprattutto per superfici raffinate. Solitamente viene prodotto per progetti specifici. In caso di interesse si prega di contattare il nostro personale di vendita.

Di seguito le proprietà fisiche applicabili generalmente al vetro con profilo ad U:

Proprietà fisiche

Modulo elastico

$E = 60\,000 - 70\,000 \text{ N/mm}^2$

Durezza di Mohs

Da 6 a 7 (feldspato 6 – quarzo 7)

Coefficiente di espansione termica lineare

Da 75 a 85×10^{-7}

Sicurezza

Il nostro prodotto speciale YOU-glass temprato, è un profilo di vetro temprato termicamente, che possiamo offrire come prodotto standard per tutte le finiture, fino ad una lunghezza massima di 3000 mm (misure superiori a richiesta). Questo offre i seguenti vantaggi per progettisti ed utilizzatori: il rispetto dei requisiti stabiliti per il vetro colato dalla DIN EN 14179-1 per il vetro temperato di sicurezza per quanto riguarda il comportamento post rottura (numero e dimensioni dei frammenti) (analisi disponibile nella scheda tecnica di prodotto dello YOU-glass temprato);

La possibilità d'impiego in facciate esterne o pareti esterne ventilate, secondo la norma DIN 18516 parte 4 Resistenza elevata agli shock termici fino a 150 °K, secondo la norma DIN EN 14179-1, rispetto ai 40°K del vetro non temprato. Questo garantisce che non vi sia il rischio di rottura a causa dell'aumento di sollecitazioni termiche come ad esempio in pareti che assorbono energia solare o connesse con isolanti termici trasparenti.

Dimensions

By contrast to flat panels of glass and due to its U shape, YOU GLASS shaped glass has excellent load-bearing capacities and can therefore be installed in very considerable lengths (up to 7m depending on wind load/stress) without any intermediate support. U-profiled glass has such high static strength that side braces can usually be avoided. The result is a façade which provides a maximum of glass and a minimum of frame profile. YOU-glass is supplied from 100 cm up to a maximum length of 300 cm depending on type. Within this range, fixed dimensions may be ordered to any desired length, in observance of production tolerances.

YOU GLASS low iron

YOU GLASS low iron is certainly the premium glass type in the whole U-profiled glass field. Due to its further optimized low iron resource composition, YOU GLASS low iron has a high light-transmission factor. Due to the fact that the glass melt of YOU GLASS low iron is usually significantly paler, respectively less green than a standard production, YOU GLASS low iron is preferably used by architects and designers, particularly in connection with refined surfaces. In these special production runs generally low iron is produced for specific projects. In the event of interest, please contact our sales staff.

The following structural physics properties apply in general to U-profiled glass:

Physical properties

Modulus of elasticity:

$E = 60\,000 - 70\,000 \text{ N/mm}^2$

Mohs hardness rating:

6 to 7 (feldspar 6; quartz 7)

Linear coefficient of expansion

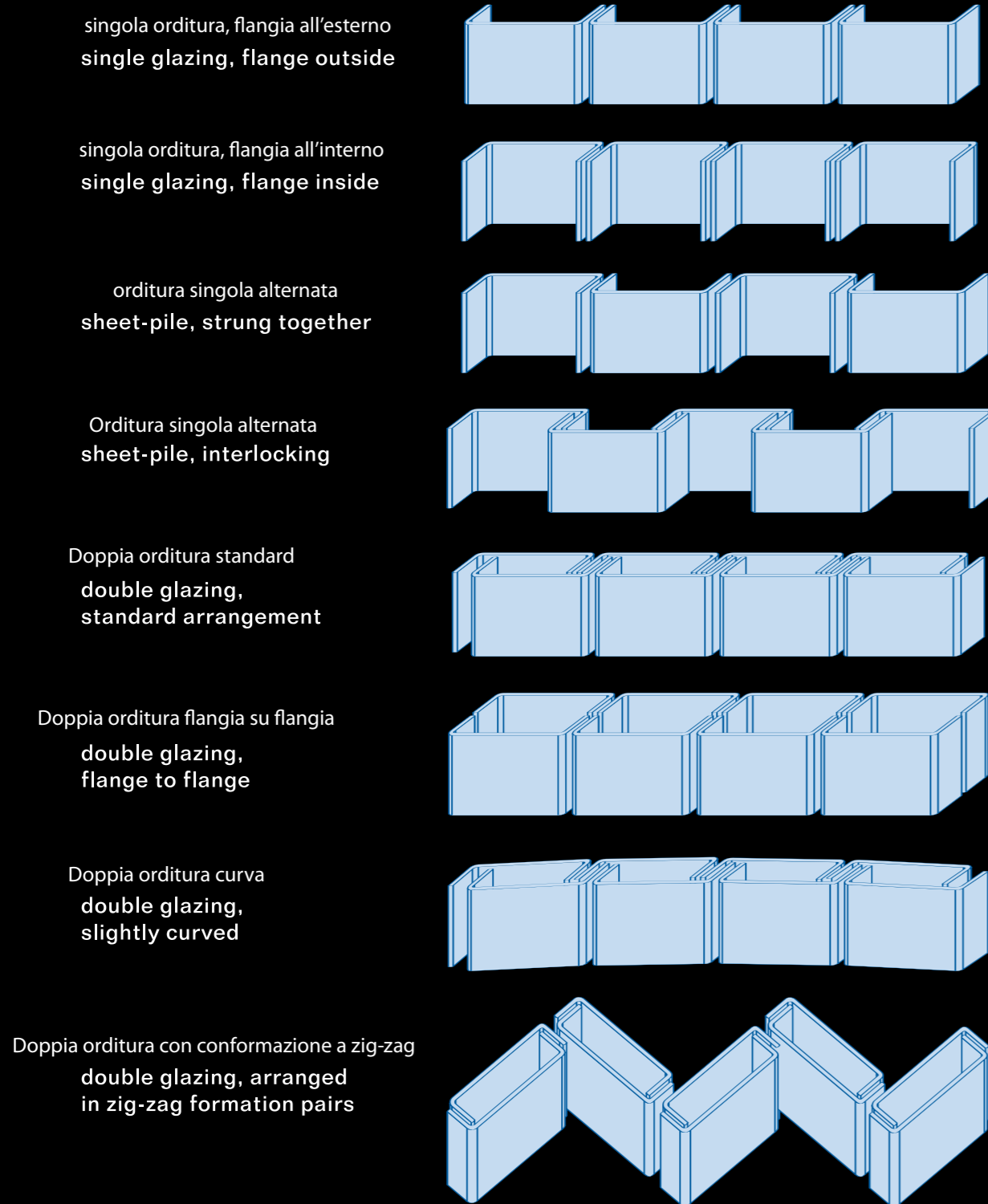
when heated by 1° C:

75 to $85 \cdot 10^{-7}$

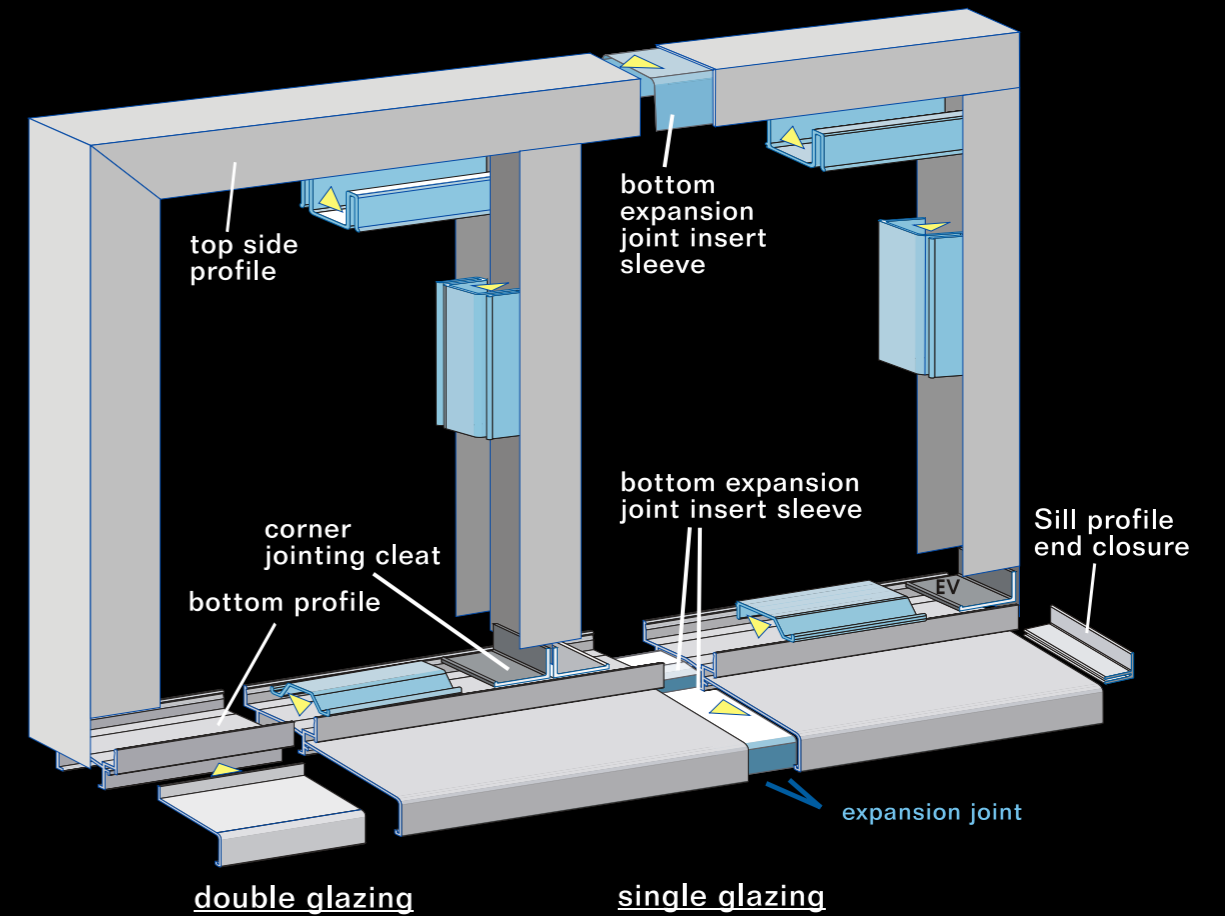
Safety

Our special product, YOU GLASS tough, is a thermally tempered channel shaped glass, which we offer as standard for all types, up to a maximum production length of 3000 mm (!). This provides the following advantages for planners and users: Thermally toughened YOU GLASS tough meets the requirements laid down for cast glass in the DIN EN 14179-1 for tempered safety glass, with regard to fracture behaviour (number and size of fragments) (analysis of structure after fracture according to, see product specification YOU GLASS tough). Use in forward-standing facades or back-ventilated exterior walls, in accordance with DIN 18516 part 4. In accordance with DIN EN 14179-1, significantly increased thermal shock resistance of approx. 150 K, compared to non-tempered glass (approx. 40 K) such that: in the standard case, there is no risk of fracture due to increased thermic stresses such as e.g. from solar, absorber walls, or particularly in connection with transparent heat insulation. In order to minimise the risk of fracture from nickel sulphite inclusions, in accordance with the latest technological discoveries, a heat soak test. Particularly with heat soak tests for shaped glass, the customer must observe very specifically that a heat soak oven for flat glass is not necessarily suitable for channel shaped glass, which poses special requirements on the oven used due to its shape and other properties. Therefore, the heat soak oven must be provably designed for these specific U glass requirements.

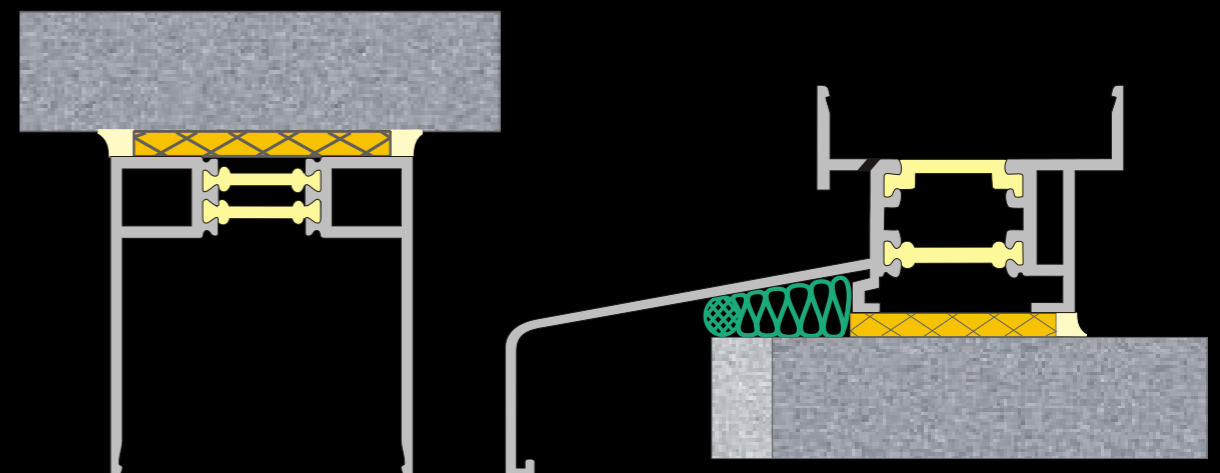
TIPOLOGIE DI ASSEMBLAGGIO
TYPES OF ASSEMBLY



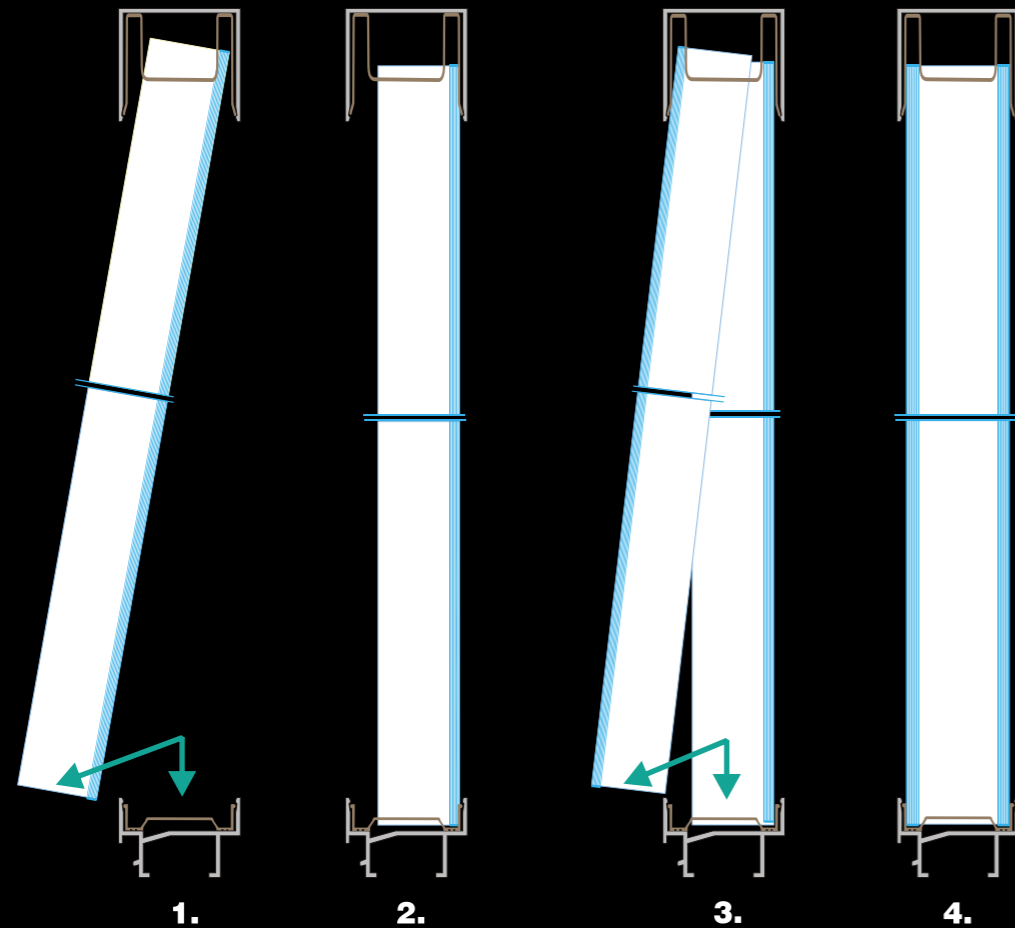
INSTALLAZIONE DELLA CORNICE DI ALLUMINIO
INSTALLATION OF THE ALUMINIUM FRAME



FISSAGGIO DELLA CORNICE
FRAME FIXING



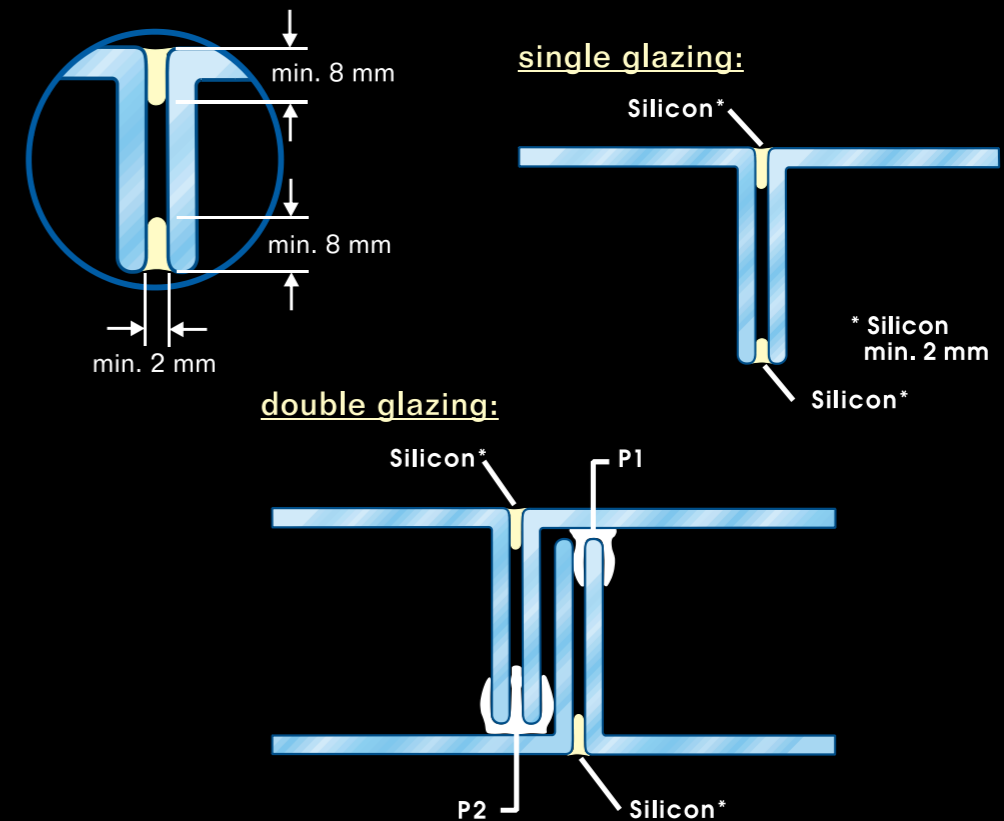
INSERIMENTO DI YOU-GLASS ALL'INTERNO DEL PROFILO DI ALLUMINIO
 INSERTING YOU-GLASS INTO THE ALUMINIUM FRAME



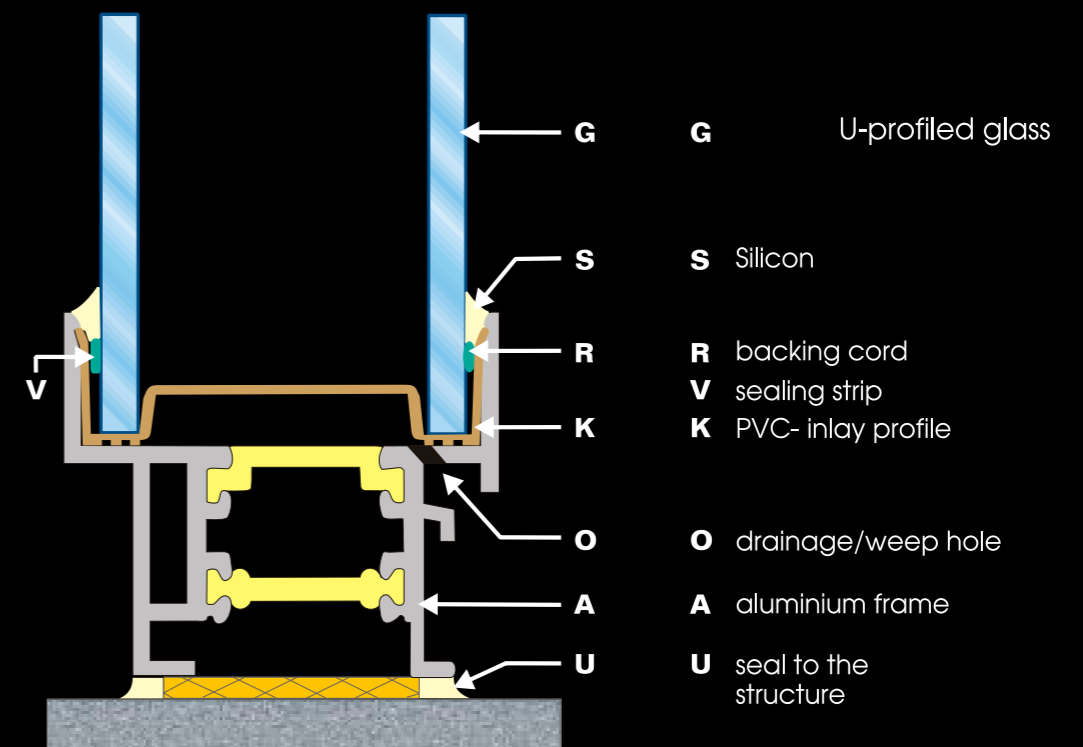
1. Introdurre con cautela l'elemento YOU-GLASS diagonalmente dentro al lato alto della cornice e portare il vetro in posizione verticale.
2. Lentamente e con attenzione posizionare il vetro nell'inserto di plastica.
- 3./4. Ripetere il processo con gli altri elementi.

1. Carefully introduce the YOU-GLASS element diagonally into the top framing profile, and bring the glass into a vertical position.
2. Slowly and carefully lay glass onto the plastic insert.
- 3./4. Repeat the process with the second glass element.

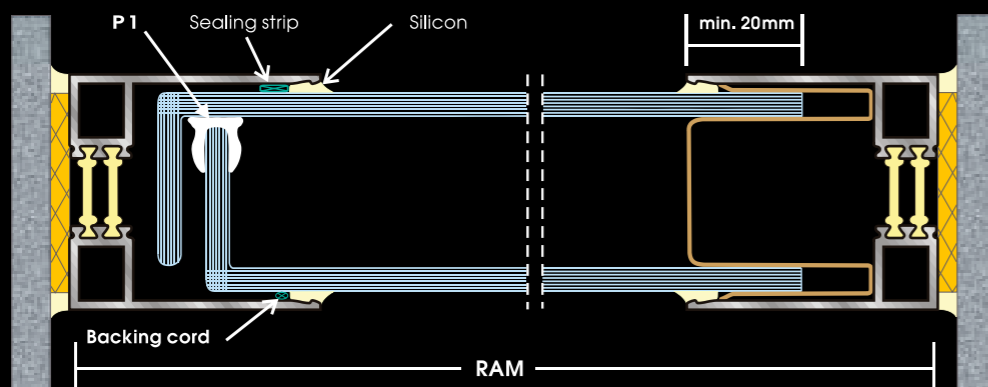
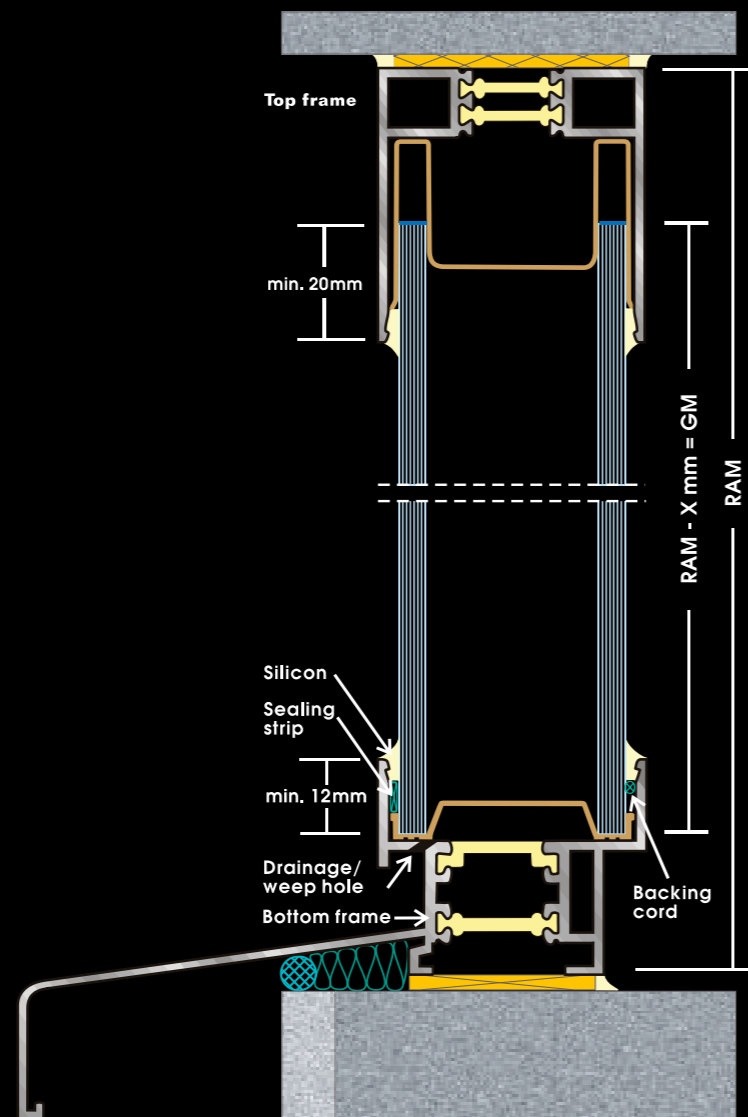
SIGILLATURA VETRO CON VETRO
 GLASS TO GLASS SEALING



SIGILLATURA VETRO CON CORNICE
 GLASS TO FRAME SEALING



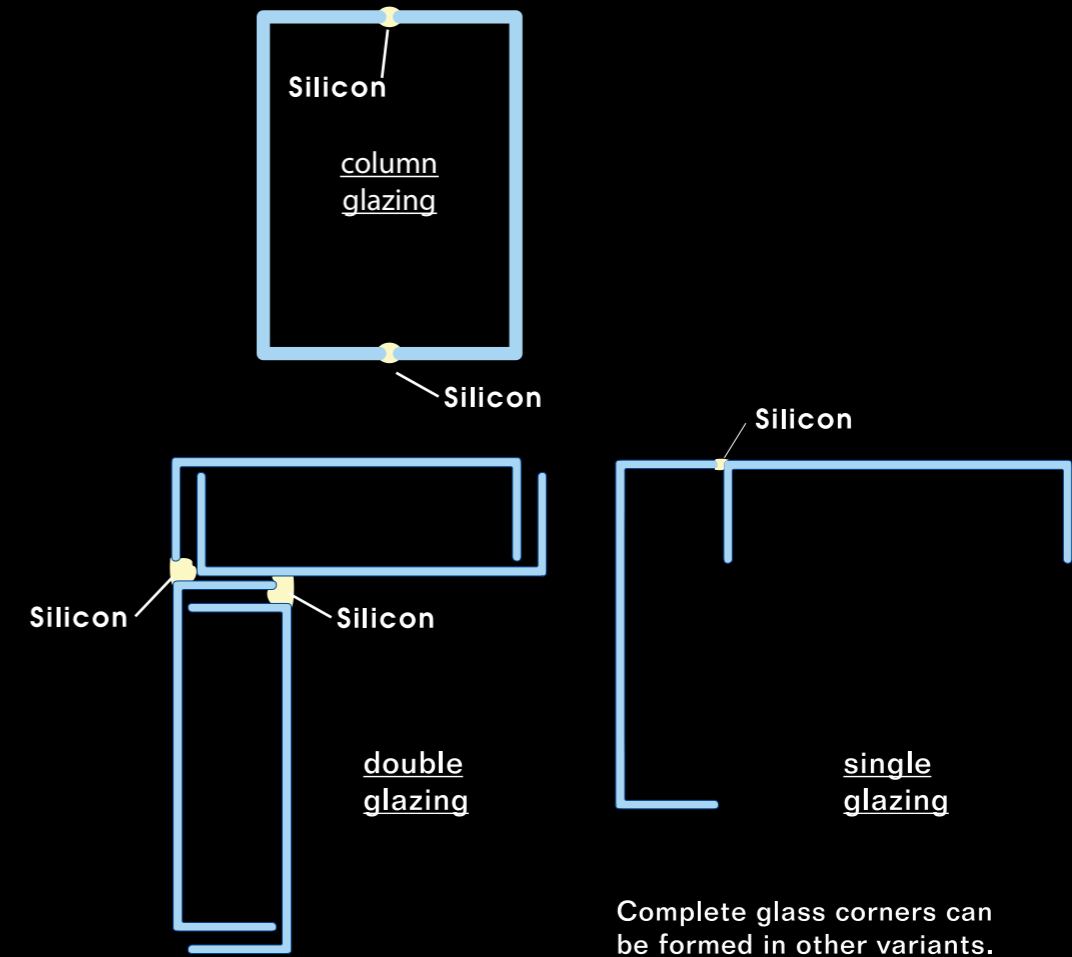
SEZIONI ORIZZONTALI E VERTICALI
VERTICAL AND HORIZONTAL SECTIONS



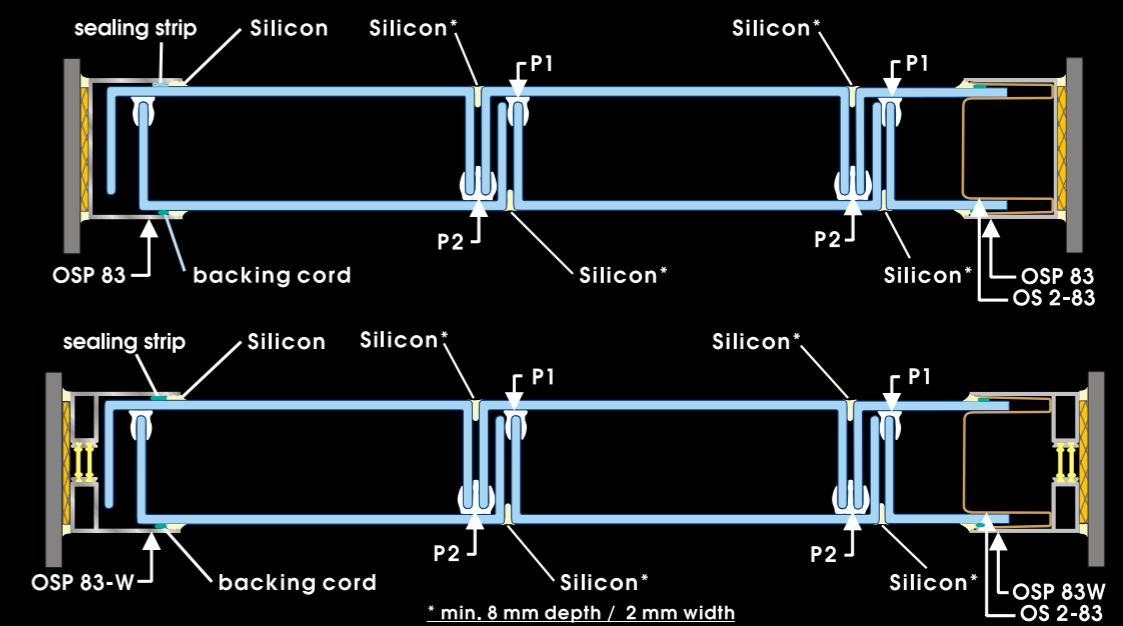
U-profile glass must have a sufficient edge cover where the ends of the glass locate within the aluminium frame so that the stability of the glazing will be secured for the long term. The minimum edge cover for the glass is:
 For vertical installation: Bottom frame min. 12 mm/top frame min. 20 mm
 For horizontal installation: Side frame min. 20 mm.
 Special constructions or requirements of buildings can lead to other (higher) minimum edge cover!



SOLUZIONI PER ANGOLI E COLONNE
COMPLETE GLASS CORNERS AND COLUMNS

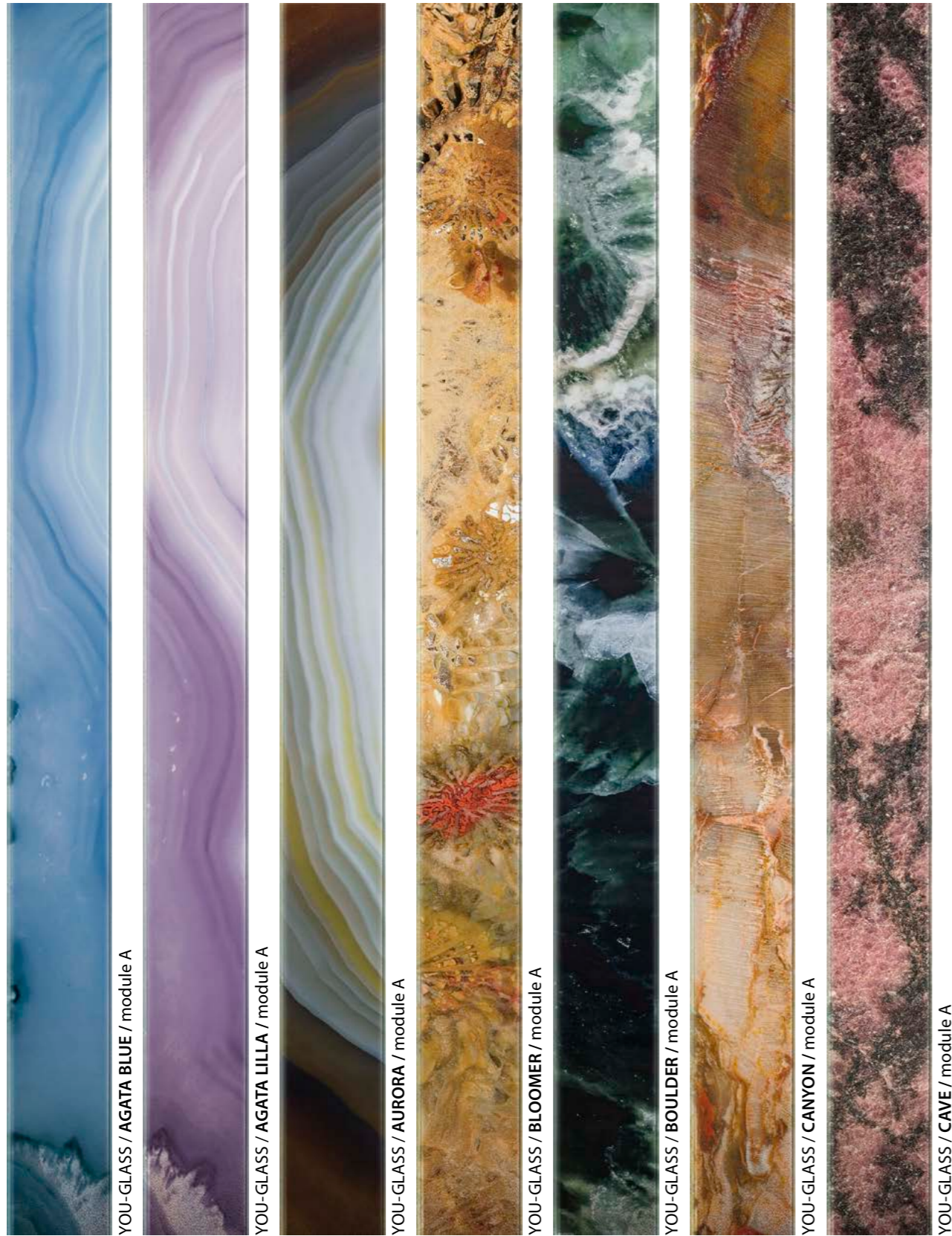


SOLUZIONI PER VETRATE CONTINUE
SOLUTIONS FOR CONTINUOUS GLAZING



Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6
Single standard element size: 10^{3/8}" x 118^{1/8}" x 2^{3/8}"
Su richiesta: fino a cm H.400
On request: up to 157^{1/2}"

Finiture disponibili: Opalescent / See Through
Available finishes: Opalescent / See Through
Spessore: 6 mm
Thickness: 0 1/4"



Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6
Single standard element size: 10^{3/8}" x 118^{1/8}" x 2^{3/8}"
Su richiesta: fino a cm H.400
On request: up to 157^{1/2}"

Finiture disponibili: Opalescent / See Through
Available finishes: Opalescent / See Through
Spessore: 6 mm
Thickness: 0 1/4"



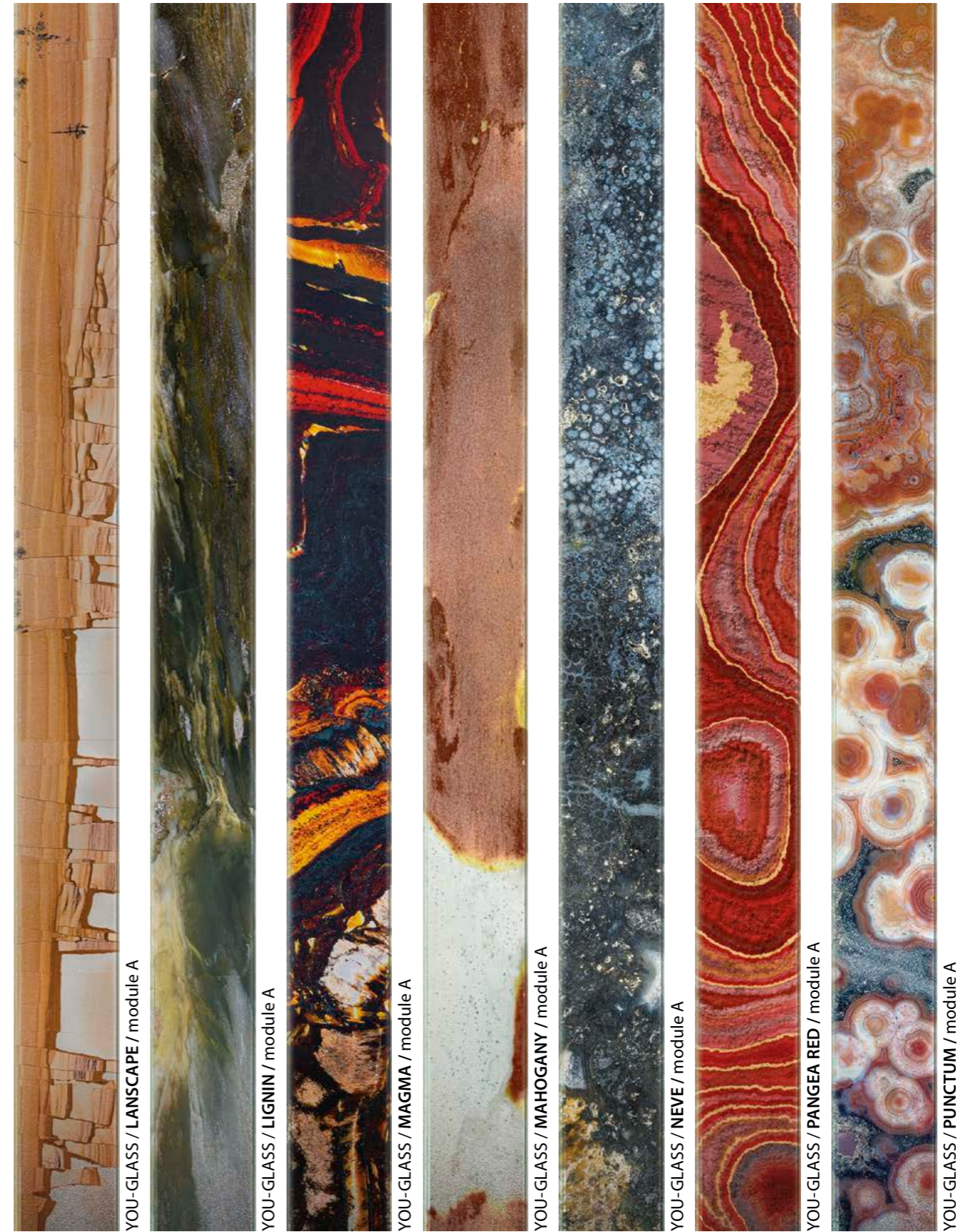
Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6
 Single standard element size: 10^{3/8}" x 118^{1/8}" x 2^{3/8}"
 Su richiesta: fino a cm H.400
 On request: up to 157^{1/2}"

Finiture disponibili: Opalescent / See Through
 Available finishes: Opalescent / See Through
 Spessore: 6 mm
 Thickness: 0 1/4"



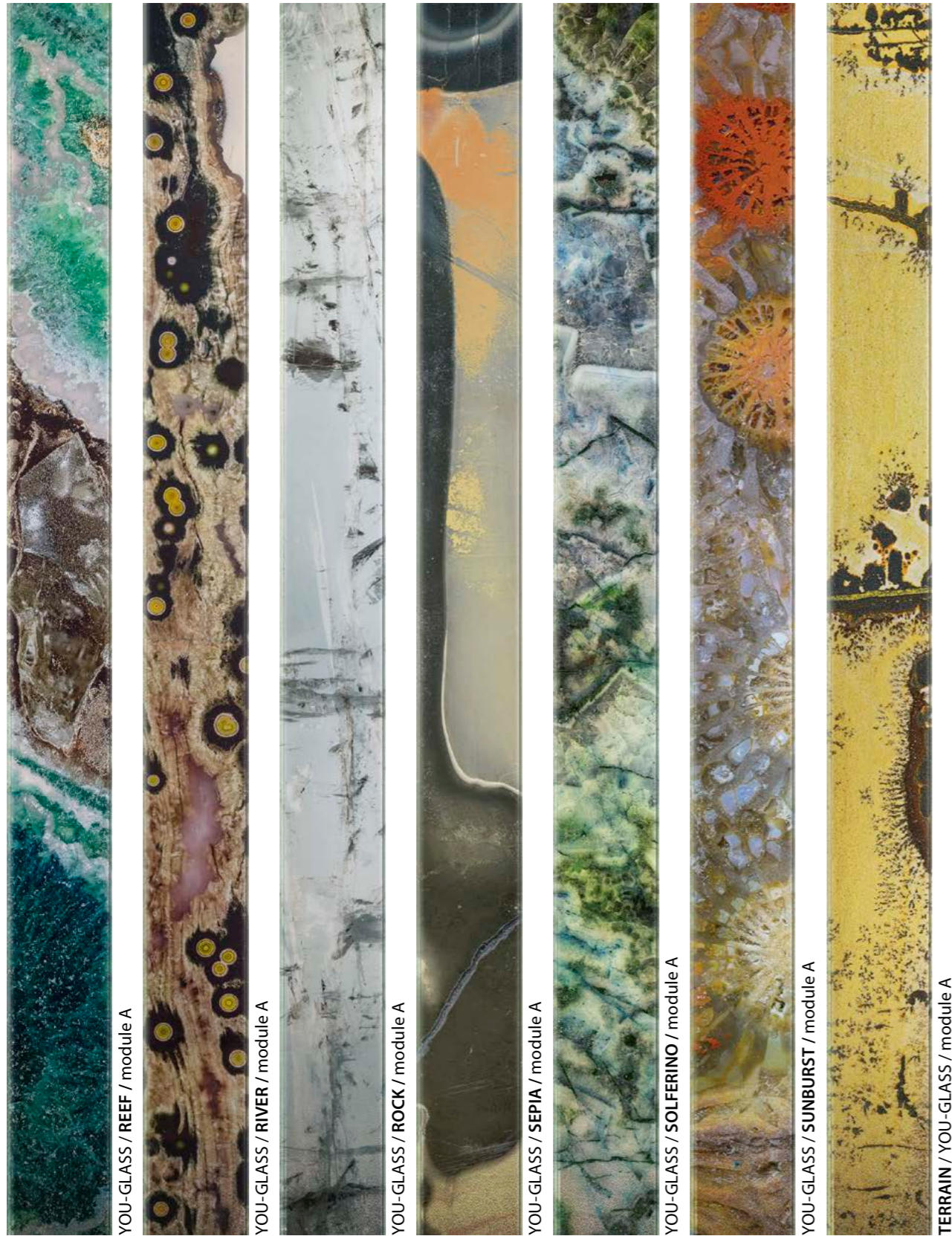
Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6
 Single standard element size: 10^{3/8}" x 118^{1/8}" x 2^{3/8}"
 Su richiesta: fino a cm H.400
 On request: up to 157^{1/2}"

Finiture disponibili: Opalescent / See Through
 Available finishes: Opalescent / See Through
 Spessore: 6 mm
 Thickness: 0 1/4"



Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6
 Single standard element size: 10^{3/8}" x 118^{1/8}" x 2^{3/8}"
 Su richiesta: fino a cm H.400
 On request: up to 157^{1/2}"

Finiture disponibili: Opalescent / See Through
 Available finishes: Opalescent / See Through
 Spessore: 6 mm
 Thickness: 0 1/4"



YOU-GLASS / REEF / module A

YOU-GLASS / RIVER / module A

YOU-GLASS / ROCK / module A

YOU-GLASS / SEPIA / module A

YOU-GLASS / SOLFERINO / module A

YOU-GLASS / SUNBURST / module A

TERRAIN / YOU-GLASS / module A

YOU-GLASS / UNAKITE / module A

YOU-GLASS / VULCANO / module A

YOU-GLASS / WAVES / module A

Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6
 Single standard element size: 10^{3/8}" x 118^{1/8}" x 2^{3/8}"
 Su richiesta: fino a cm H.400
 On request: up to 157^{1/2}"

Finiture disponibili: Opalescent / See Through
 Available finishes: Opalescent / See Through
 Spessore: 6 mm
 Thickness: 0 1/4"



YOU-GLASS / UNAKITE / module A

YOU-GLASS / VULCANO / module A

YOU-GLASS / WAVES / module A

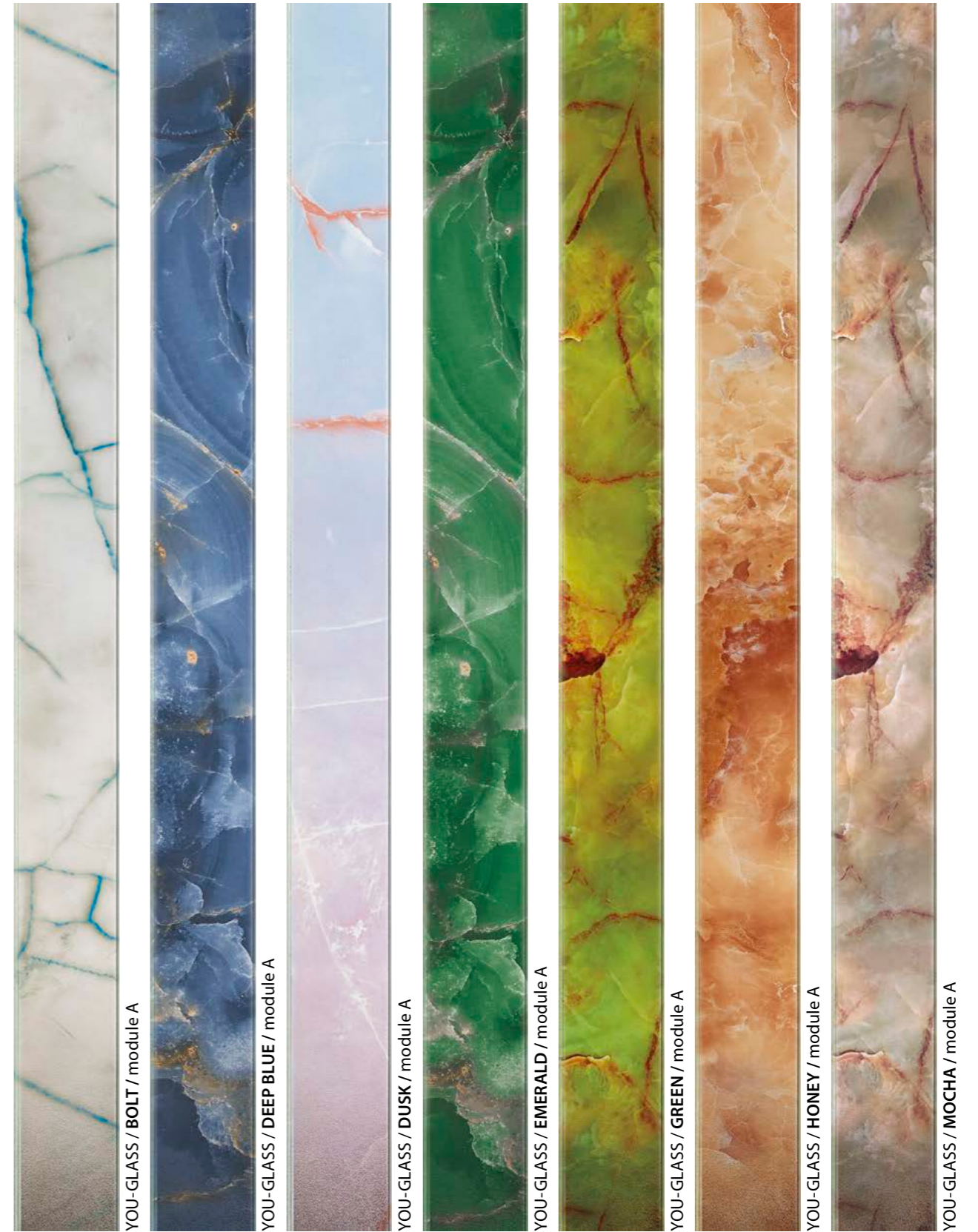
Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6
 Single standard element size: 10^{3/8}" x 118^{1/8}" x 2^{3/8}"
Su richiesta: fino a cm H.400
 On request: up to 157^{1/2}"

Finiture disponibili: Opalescent / See Through
 Available finishes: Opalescent / See Through
Spessore: 6 mm
 Thickness: 0 1/4"



Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6
 Single standard element size: 10^{3/8}" x 118^{1/8}" x 2^{3/8}"
Su richiesta: fino a cm H.400
 On request: up to 157^{1/2}"

Finiture disponibili: Opalescent / See Through
 Available finishes: Opalescent / See Through
Spessore: 6 mm
 Thickness: 0 1/4"



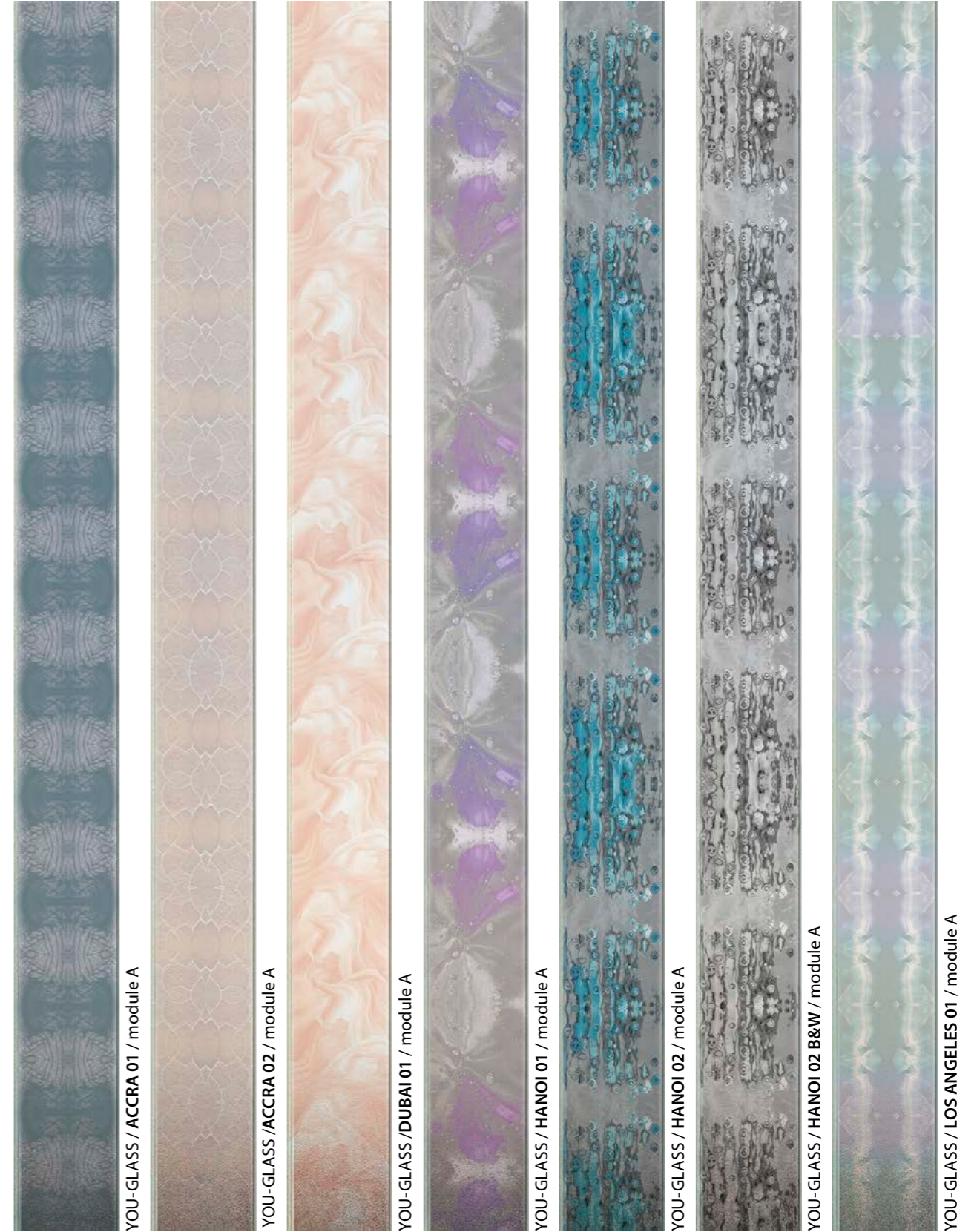
Dimensione standard elemento singolo: cm 26,2 x H.300 x P.6
 Single standard element size: 10^{3/8"} x 118^{1/8"} x 2^{3/8"}
Su richiesta: fino a cm H.400
 On request: up to 157^{1/2"}

Finiture disponibili: Opalescent / See Through
 Available finishes: Opalescent / See Through
Spessore: 6 mm
 Thickness: 0 1/4"



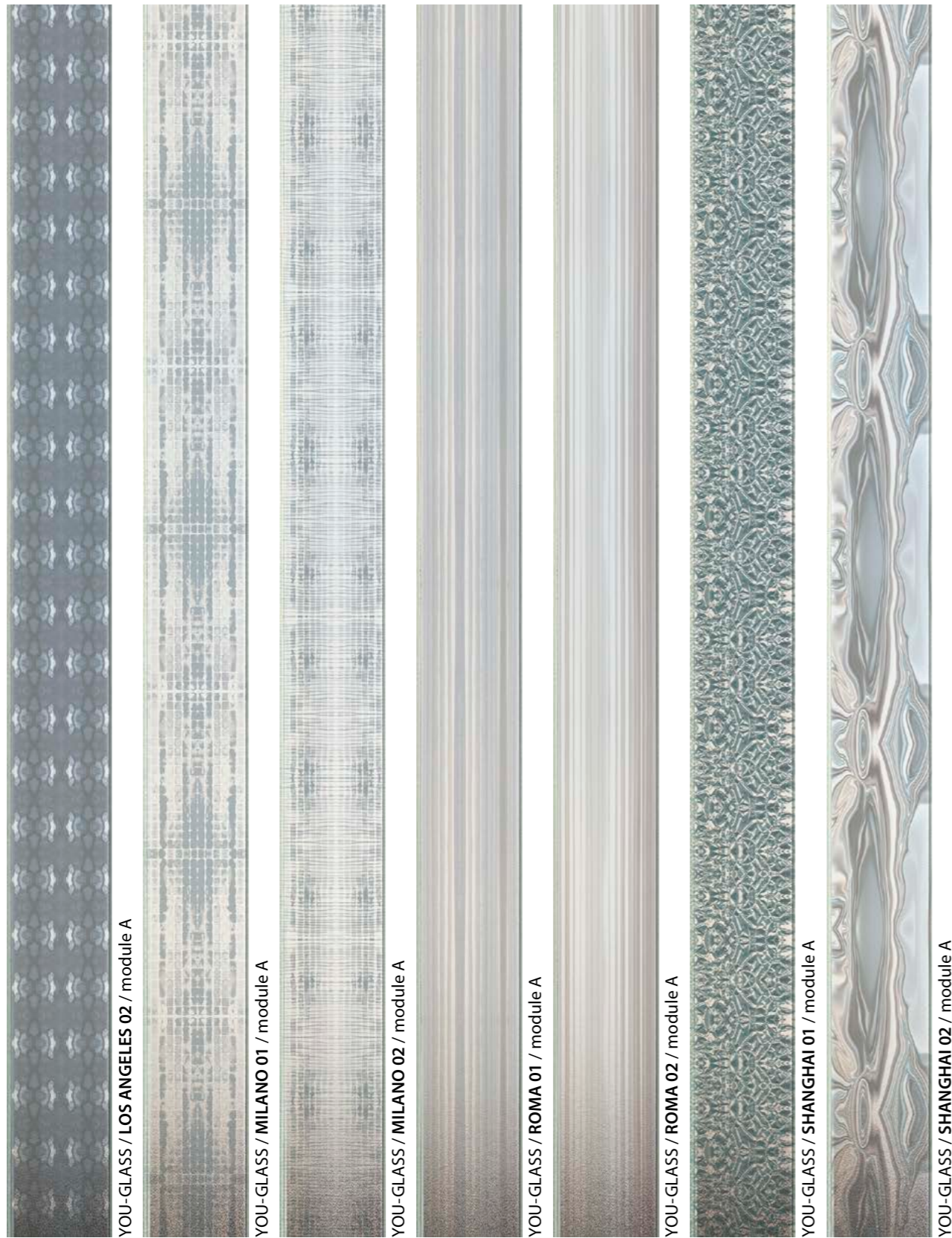
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