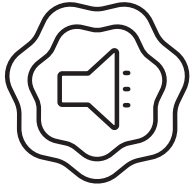
Velio

Flexible acoustic partitions

Velio. Whether drawn or not, Texaa's flexible partitions are instantly ready to adapt to changing needs. Their lovely floating shapes contribute to the visible reorganisation of spaces, while providing them with acoustic and thermal comfort.

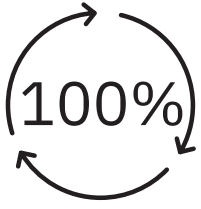
Their respective characteristics meet a wide range of architectural specifications.



α_w = 0.7 (H)
(Curtains: 1.5 fullness)

Run-resistant,
antistatic knit

Recycled components
(Curtains)

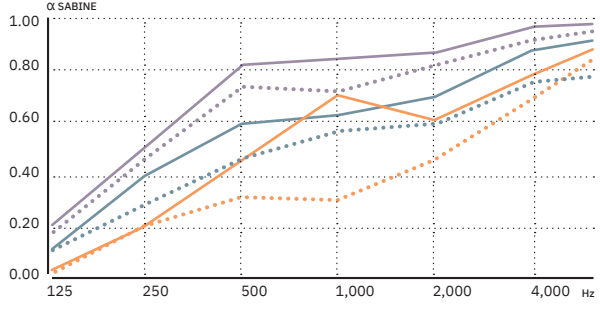


Recycled components
(MRE Drapes)

Learn more

Acoustics

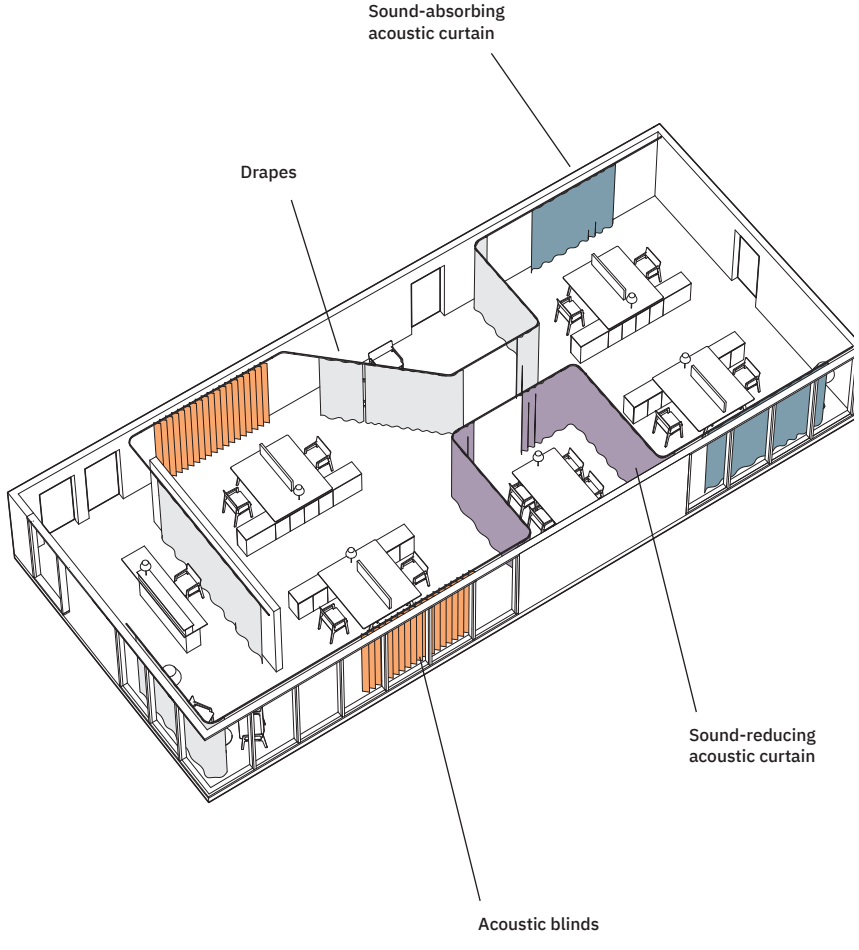
Their respective characteristics meet a wide range of architectural specifications. Covered with the same fabric and made to measure, these different curtains and blinds can be easily combined or assembled together.



Acoustic performance

Performance of slatted blinds and acoustic curtains positioned 100 mm from the vertical surface.

- Alpha sound-absorbing acoustic curtains with fullness of 1.5
- Alpha sound-absorbing acoustic curtains with fullness of 2
- DB sound-reducing acoustic curtains with fullness of 1.5
- DB sound-reducing acoustic curtains with fullness of 2
- Blinds with slats open at 90°
- Blinds with slats closed at 180°



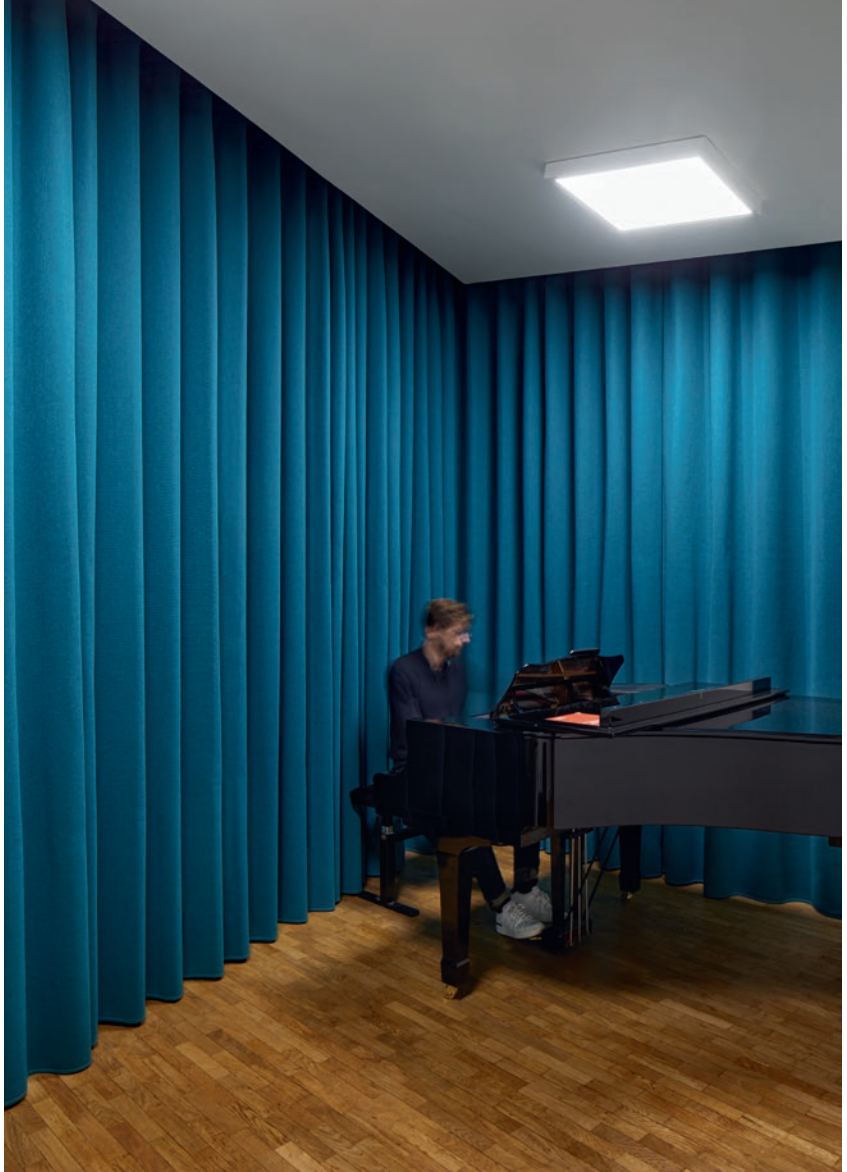
↩
Sound-absorbing acoustic curtains. School in Le Tronquay in Normandy. Architect: Camélia Alex-Letenneur. Acoustics engineering: *Db-Therm*.

← ↑
Inside the area enclosed by the sound-absorbing curtains the cosy atmosphere inspires peace and quiet.
The Alpha media library of Greater Angoulême in south-west France. Architects: *Loci Anima*, Paris.

↷
Texaa sound-absorbing acoustic curtains positioned between the restaurant area and hallway.
Childcare centre in Wenzenbach near Regensburg, Germany. Architects: *Köstlbacher Miczka* architecture and town planning.

↑→
Texaa's Alpha sound-absorbing curtains are used to improve the acoustics of rooms.
The Higher National Conservatory of Music and Dance in Paris in 2021. Architect: ©Christian de Portzamparc.

↷
Sound-reducing acoustic curtains are available in the 30 colours of the range. They are a flexible solution for partitioning large spaces.
Crown Estate, Bessborough Street in London.
Architects: Stiff & Trevillion.



↑→
Available in the 30 colours of the Aeria *Maille Ronde* range, Velio drapes let light through while creating a sense of privacy.
The *Magasins Généraux* by BETC in Pantin, north-east of Paris. Artistic design: C. Geel & S. Breuil of T&P Work UNit. Architect: Frédéric Jung of J/A/A/ MA/S.

↑
Velio drapes are also available with the Aeria *Maille Ronde Elargie (MRE)* stitch, which is made entirely from recycled materials.

→
In open spaces, drapes can be used to mark boundaries between areas with a very light installation, and yet they can induce a sense of privacy.
Coworking space by Wild Architecture in Lyon.

←↑↷
Velio acoustic blinds suspended from the ceiling. The degree of visibility between the two spaces is regulated by turning the slats, which also improve the acoustics of the premises.
La MÉCA, a property owned by the New Aquitaine regional authority, designed by BIG (Bjarke Ingels Group) in Copenhagen in collaboration with Freaks in Paris. Interior design: Angelika Bauer and Laurent Agut of Xavier Roy Design Studio and la/projects. Bordeaux.


CREM

↑
Velio acoustic blinds suspended from the ceiling to visually partition work areas while also improving the acoustics.
Offices of PRO BTP insurance company in Montreuil, east of Paris.

→
Acoustic blinds installed as a visual partition against glazing. Chabanne Architects offices in Lyon.

↷
Acoustic blinds in front of glazing.
Centre for Creation and Innovation (MaCI) of the University of Grenoble Alpes in Saint-Martin-d'Hères. Architects: Jacques Ripault Architecture.

Manufacturing

Velio flexible solutions are covered with Aeria fabric, which makes them robust and uniform in appearance. They have different technical components, which give them their own unique qualities.

They are made to measure and by request in Texaa's workshop, and can be combined and assembled together. These solutions are light and easy to install for qualified installation professionals.

Manufactured in France

Craftsmanship

Guaranteed 10 years

Acoustic Curtains

DB sound-reducing acoustic curtains can be used to manage spaces with flexible partitions. Used to separate areas or to mark the boundaries of a space, they contribute to reducing the transmission of sound from one area to another.

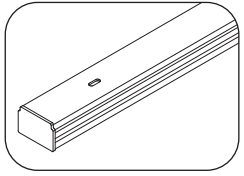
Alpha sound-absorbing acoustic curtains reduce the reverberation of sound in interior spaces. Positioned in front of glazing, they cut out incoming light and soften the lighting and sound ambience. Used elsewhere in a space they create quiet areas, which enable listening.

Curtains can be assembled together using zip fasteners, which are included in the side hems. In this way the curtains can be adapted to a wide range of dimensions.

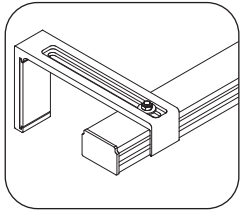
Curtains are hung from rails with rollers for easy drawing.

For more static applications, curtains can also be fitted with eyelets (40 mm in diameter).

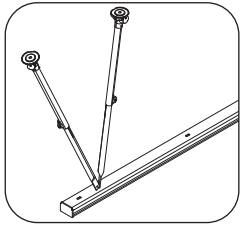
Fitting systems



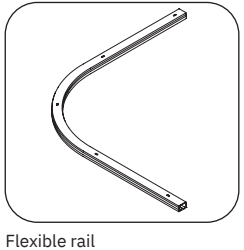
Ceiling fixing



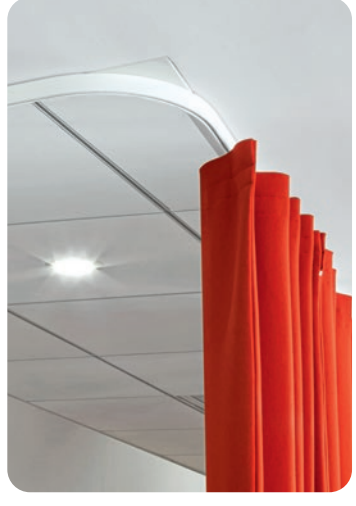
Wall fixing

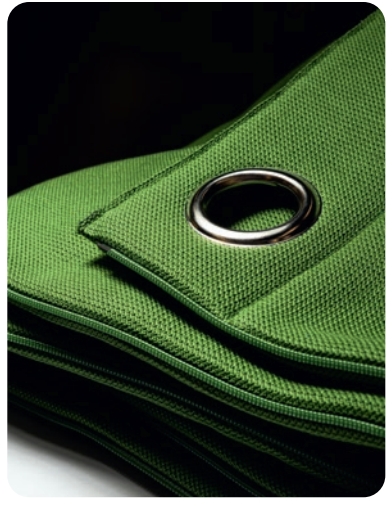


Suspended fixing



Flexible rail





Velio drapes

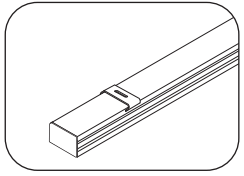
Velio drapes allow light through, while creating a soft, subdued feel.

Used to delimit sub-areas or hung in front of glazing, they contribute to a feeling of airy privacy.

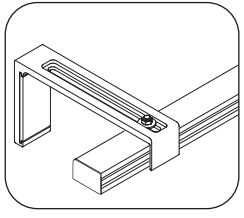
Knitted in France in the Texaa workshop, their distinctive Aeria stitch pattern sets them apart from generic drapes. The Aeria *Maille Ronde Elargie* (MRE) stitch is knitted entirely with recycled materials, and is offered in three shades: MRE006 (*Gris Anthracite*), MRE003 (*Gris Nacré*) and MRE029 (*Beige Kaolin*).
The Aeria *Maille Ronde* (MR) stitch is available in 30 colours, and other tailormade shades.

Maille Ronde Elargie (MRE) stitch

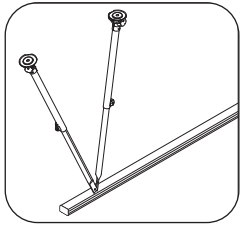
Fitting systems



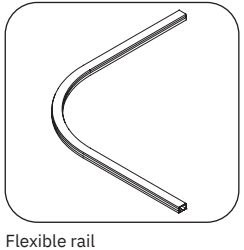
Ceiling fixing



Wall fixing



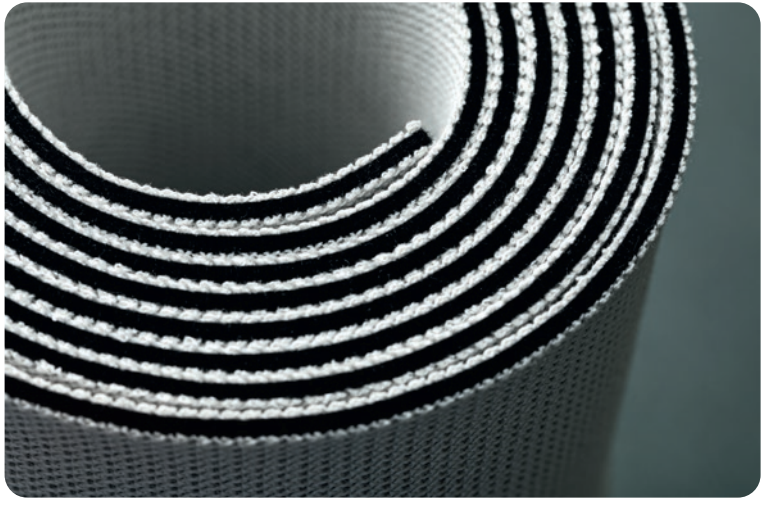
Suspended fixing



Flexible rail

The *Magasins Généraux* by BETC in Pantin, north-east of Paris. Artistic design: C. Geel & S. Breuil of T&P Work UNit. Architect: Frédéric Jung of J/A/A/ MA/S.

Texaa's workshop, in Gradignan, near Bordeaux.



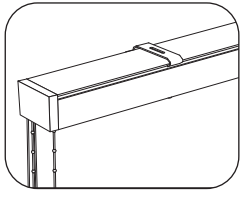
Acoustic blinds

Acoustic blinds made of absorbent felt with Aeria laminated to both sides, are used to improve acoustics in front of glazing or to enable spaces to be partitioned.

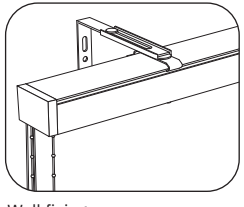
The absorbent felt used to make our blinds is manufactured in France, using materials 90% of which are recycled.

Blinds slats are simply clipped to the runners on the headrail. The cut-out on the hanger plates, an exclusive Texaa patent, locates the top of each slat very closely to the headrail, thereby maximising light occlusion.

Fitting systems



Ceiling fixing



Wall fixing

characteristics

Updates and technical data sheets on texaa.com

ACOUSTIC CURTAINS

Run-resistant knit, 330 g/m²
and antistatic

HQE, LEED
and BREEAM (2 points)

Select from the 30 colours
in the Aeria palette. Special colours
available on request.

French “A+” interior air quality
AgBB compliant
Indoor Air Comfort Gold

Impact on climate: 22.7 kg CO_2 eq /m²

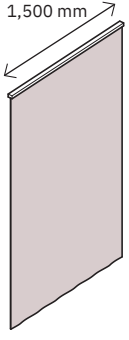
End of life: can be dismantled.
Components are separable and recyclable.

Fullness describes the amount of pleating of a curtain.

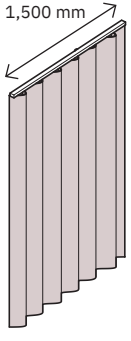
The greater the fullness, the more the curtain is pleated. Fullness of 1 is that of a curtain with no pleats.

For example, a curtain 3 metres wide hung on a rail 1.5 metres long, has a fullness of 2.

A curtain’s fullness determines how much sound it absorbs.



For a curtain 1,500 mm wide, the fullness is 1.



For a curtain 3,000 mm wide, the fullness is 2.

DB SOUND-REDUCING

- Two thicknesses of 3-mm black felt wadding
- Both sides covered with sound-transparent Aeria fabric
- 6 sound-damping core layers (each 0.42 mm thick)

Absorption coefficient α_w

- Curtain with fullness of 1.5 i.e. slightly pleated:
$\alpha_w = 0.70$ (H), NRC = 0.70, class C
- Curtain with fullness of 2 i.e. moderately pleated:
$\alpha_w = 0.75$ (H), NRC = 0.75, class C

Sound reduction index: $R_w = 10$ dB

B-s1,d0

ALPHA SOUND-ABSORBING

- Two 3-mm thicknesses of black felt wadding
- Both sides covered with sound-transparent Aeria fabric

Absorption coefficient α_w

- Curtain with fullness of 1.5 i.e. slightly pleated:
$\alpha_w = 0.50$ (H), NRC = 0.50, class D
- Curtain with fullness of 2 i.e. moderately pleated:
$\alpha_w = 0.65$ (H), NRC = 0.60, class C

N.B. Alpha sound-absorbing curtains do not have insulating properties and their capacity to dampen sound should be considered to be zero.

B-s2,d0

Options: Dual colour, *Grain de riz* stitch colors MGR580 (*Moutarde*) and MGR530 (*Bleu pacifique*) (Subject to availability of stock).

characteristics

Updates and technical data sheets on texaa.com

DRAPES

Aeria *Maille Ronde Élargie* (MRE)
Aeria *Maille Ronde* (MR)

Run-resistant, antistatic knit
MR: 330 g/m²
MRE: 370 g/m²

HQE, LEED
and BREEAM (2 points)

Select from the 30 colours
in the Aeria MR palette and 3 colours
in the Aeria MRE palette.
Special colours available on request.

End of life: can be dismantled.
Components are separable and recyclable.

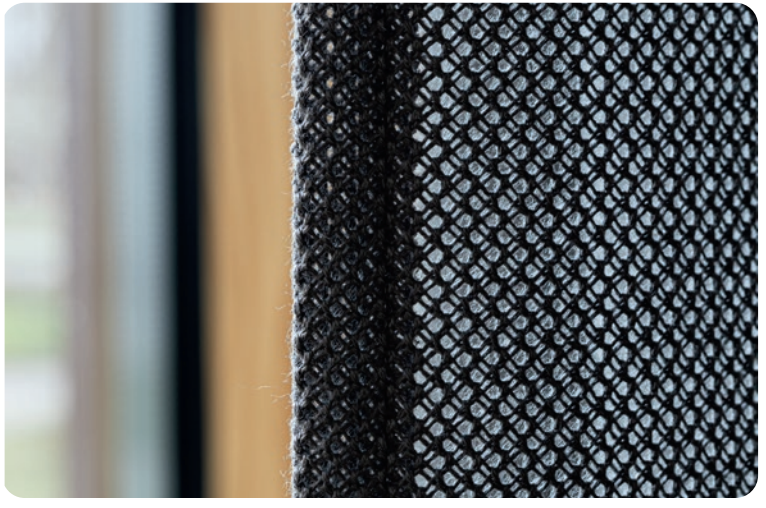
Light transmission
(in-house measurement):

- Dark colours, e.g. *Gris Anthracite*
  MR: 12%
  MRE: 20%
- Light colours, e.g. *Gris Nacré*
  MR: 33%
  MRE: 40%

B-s1,d0

100% recycled components (MRE)

French “A+” interior air quality
AgBB compliant
Indoor Air Comfort Gold



Hem finish

Raw edge finish

characteristics

Updates and technical data sheets on texaa.com

ACOUSTIC BLINDS

- 3-mm black felt wadding
- A black powder-coated metal hanging plate inserted in a hem
- Sound-transparent Aeria fabric on both sides

37% recycled components

Run-resistant knit, 330 g/m²
and antistatic

French “A+” interior air quality
AgBB compliant
Indoor Air Comfort Gold

Slat width: 133 mm
Slat thickness: 5 mm
Slat height: up to 3 metres
Slat weight: 0.2 kg per linear metre (approx.)

Absorption coefficient

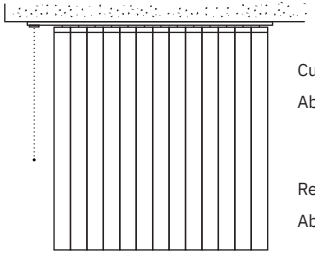
- Slats open at 90° α_w = 0.40 (H), NRC = 0.30, class D
- Slats closed at 180° α_w = 0.45 (MH), NRC = 0.50, class D

Complete product: C-s2,d0

HQE, LEED
and BREEAM (2 points)

End of life: can be dismantled.
Components are separable and recyclable.

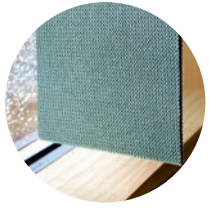
Choose from the 30 shades on the Aeria MR colour palette (except MRO19 - *Chiné Écorce*). Special colours available on request.



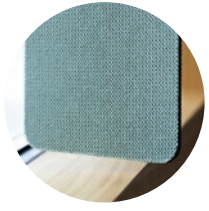
Slats turned to 180° (closed)

Cuts out 96% of visible light (380-800 nm)
Absorption > 95 / Reflection 3 / Transmission < 2

Reflects 24% of the sun’s warmth (280-2,500 nm)
Absorption > 74 / Reflection 24 / Transmission < 2



Straight bottom edge finish



Rounded bottom edge finish

Maintenance

Velio flexible partitions are resistant to tearing and abrasion. The knot in their knitted stitch makes them run-free: any hole in the fabric will not get bigger.

With their antistatic coating, Velio flexible partitions are protected against dust and easy to maintain. Simple vacuum cleaning is enough to keep them bright and fresh. Texaa products last a very long time, often more than 20 years.

Run-free because of the knot in each stitch.

Resistant to wear: resists more than 30,000 cycles of the Martindale rub test NF EN 12947-2.

Antistatic and dustproof: 3.10^7 Ω/m² as tested applying ASTM D257.

Learn more:
texaa.com/servicing

→
Velio DB sound-reducing acoustic curtains used to reduce the disturbance of a meeting held in a workspace. *Groupe Intelligible* in Lyon.

Colours

Aeria is knitted in our workshop in Gradignan outside Bordeaux using a patented process. It is available in three stitch sizes and a range of 30 colours. Special colours can be supplied on request.

Order a sample:
texaa.com/samples


Gris Nacré
GMR003


Gris Anthracite
GMR006


Gris Nacré
MRE003


Gris Anthracite
MRE006


Beige Kaolin
MRE029


Noir Carbone
MR001


Gris Anthracite
MR006


Chiné Écorce
MR019


Beige Pralin
MR002


Chiné Taupe
MR023


Gris Cendré
MR014


Gris Nuage
MR027


Gris Nacré
MR003


Crème
MR012


Beige Kaolin
MR029


Bleu Opale
MR007


Bleu Arctique
MR021


Bleu Torrent
MR009


Bleu Royal
MR015


Bleu Pétrole
MR018

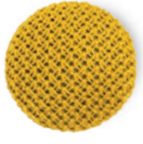

Vert Kaki
MR011


Vert Mousse
MR028


Pistache
MR008


Sauge
MR025


Amande
MR017


Jaune Impérial
MR016


Ocre
MR004


Cannelle
MR022


Ambre
MR010


Terracotta
MR024


Vermillon
MR020


Rubis
MR013


Rouge Piment
MR030


Noisette
MR026


Châtaigne
MR005

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