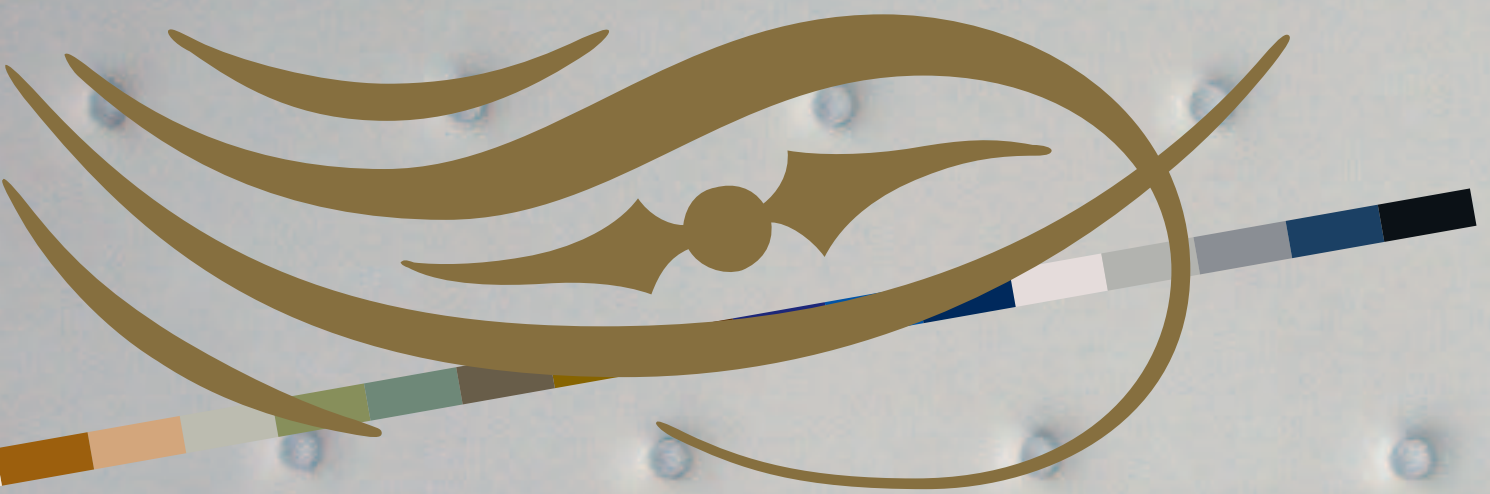


# Vibrasto

THREE DIMENSIONAL ACOUSTIC WALL COVERING



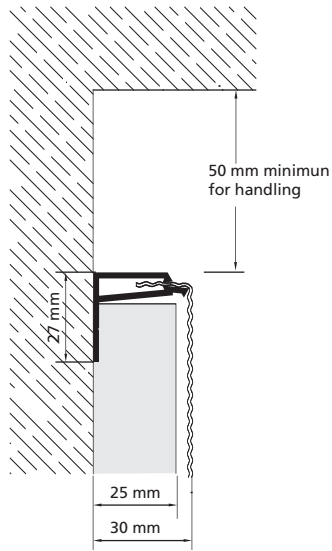
by Texaa®



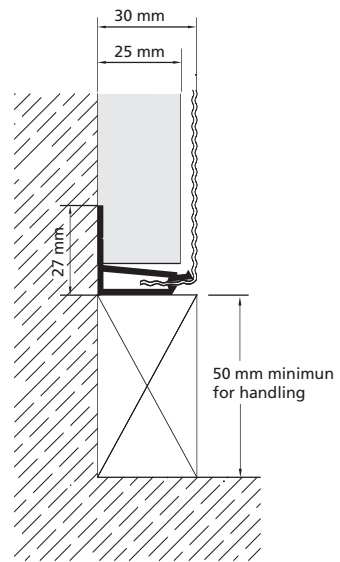


On the cover page,  
special **Vibrasto** with padded effect.  
See details on the reverse of this brochure.

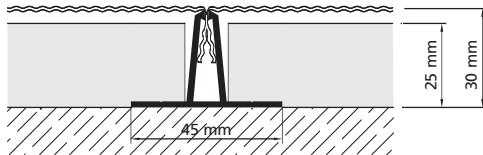
top



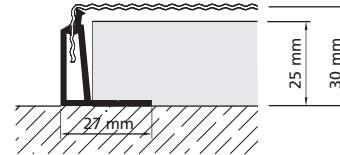
bottom



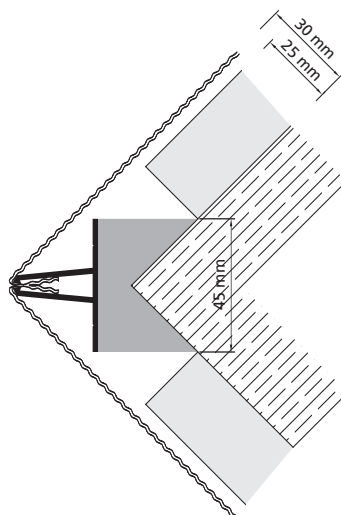
central joint  
/ centre to centre  
1 500 mm



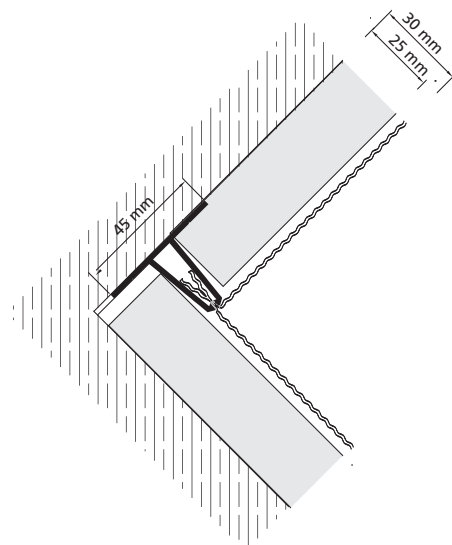
side



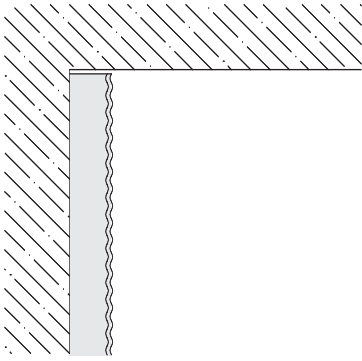
outgoing angle



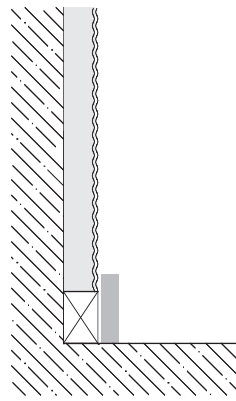
ingoing angle



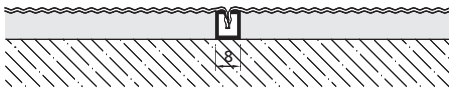
top



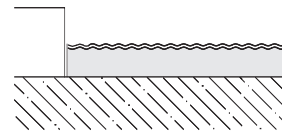
bottom



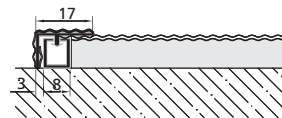
central joint  
/ centre to centre  
1 500 mm



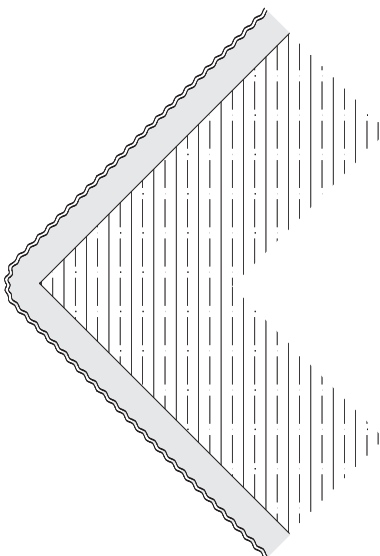
side



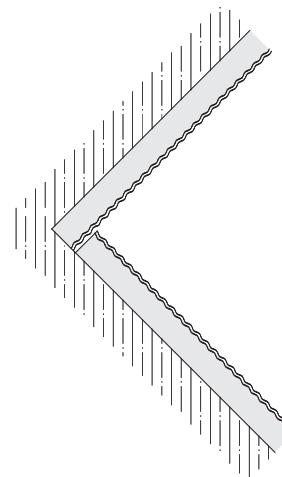
visible side (optional)



outgoing angle



ingoing angle



**Vibrasto 10 and 20**

# Vibrasto

## THREE DIMENSIONAL ACOUSTIC WALL COVERING

Signature to our collection, **Vibrasto** has been the most popular item in the **Texaa®** System for nearly 30 years.

Thanks to ongoing innovation throughout its life,

**Vibrasto** is the leading acoustical wall covering on the market today.

**Vibrasto** offers effective acoustical solutions in all kinds of commercial environments.

Using Patented technology that bonds highly absorbent acoustical foam to sound transparent **Aeria** fabric facing,

**Vibrasto** may be glued or stretched on walls and ceilings.

## HIGHLIGHT SURFACES

### FOCUS ON ACOUSTIC FRAMES AND RECESSES

In addition to these remarkable technical properties,

**Vibrasto** opens up a vast opportunity for visual expression.

When applied to the surface, its suppleness and elasticity allow it mold into and conform to curves and angles.

When stretched, it can partially cover surfaces, allowing interplay within the architecture of the room creating a sense of movement and depth.

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## ACOUSTIC EFFICIENCY

---

Balanced absorption distribution within a range of frequencies.

---

Position on various surfaces (wall and/or ceiling, cupboards)

---

Acoustic performance laboratory tested.

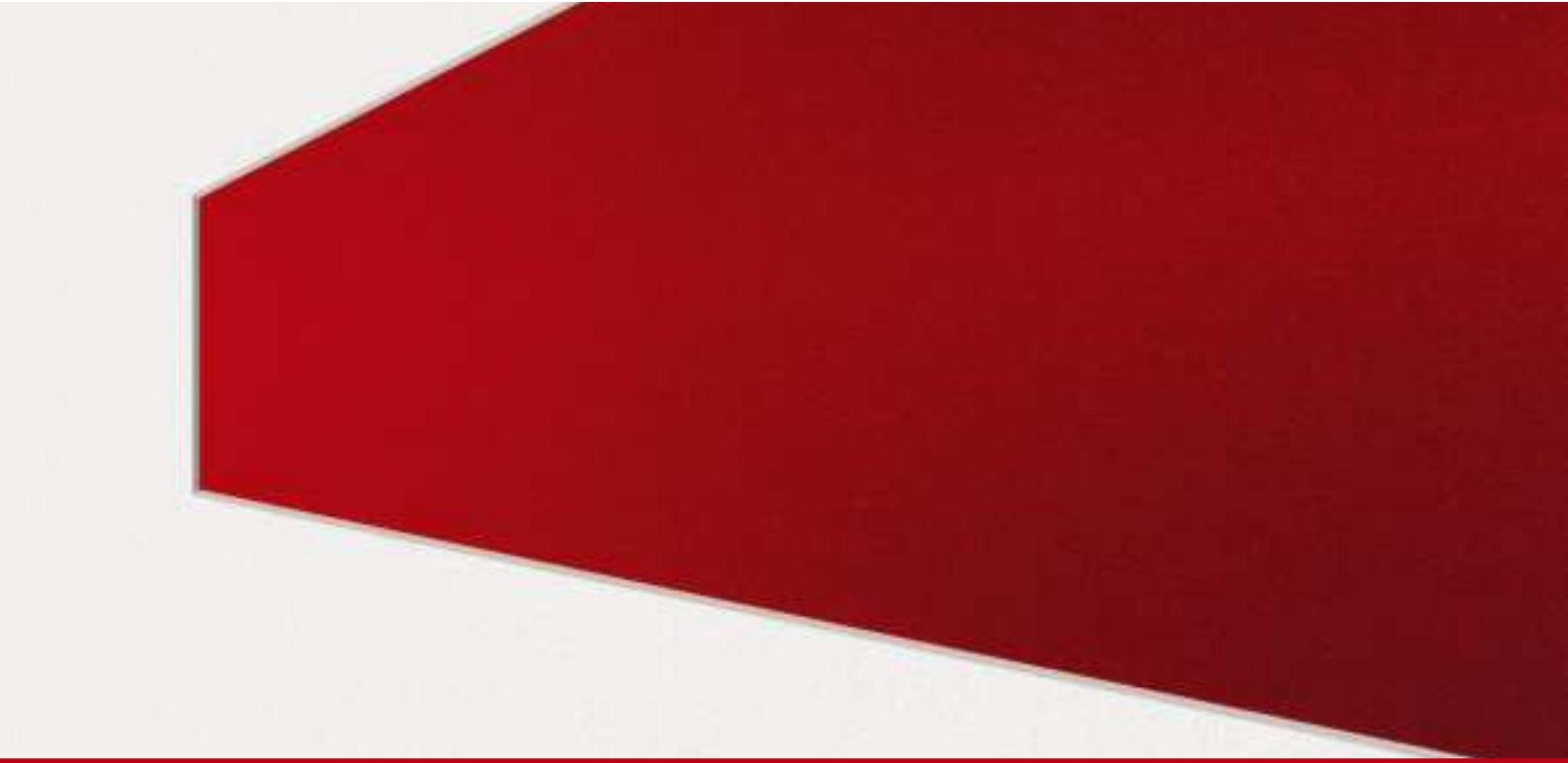
---

**Vibrasto** is available in two standard versions (**Vibrasto 10** and **20** to be glued\*) and **Vibrasto 03** to be stretched in front of a 25 mm foam (**Vibrasto 03/system 30**).

	<b>Vibrasto 10</b>	<b>Vibrasto 20</b>	<b>Vibrasto 03/system 30</b>
Total thickness	12 mm	22 mm	30 mm
Framing	Γ profile**	Γ profile**	L profile**
Joints	Pencil line joint, U profile	Pencil line joint, U profile	Pencil line joint, ⊥ profile

\*also available in 05, without pencil line joint. Contact us.

\*\* optional **Aeria** upholstered L profile



**Vibrasto 10 or 20** is gently recessed from 13 mm or 25 mm plaster boards.

Focusing on material color in this mural composition.

FLEXIBILITY, DESIGN, DURABILITY

# Vibrasto, a means of expression

## EXPRESS AND DEFINE SPACE

Separate space, create acoustic inlays, and partially treat surfaces...

**Vibrasto 10** and **20** and the new **Vibrasto 03/system 30** provide a range of performance capabilities depending on their overall thickness. Highly supple and flexible **Vibrasto** can wrap inside corners and outside edges.

## EXPRESSIONS THROUGH MATERIAL

Integrate a variety of materials and surfaces with **Vibrasto**.

Partially treat areas or juxtapose with materials such as wood, metal, concrete and resin to create varied visual and sensory effects.

## EXPRESSIONS THROUGH COLOR

The 23 shades of **Aeria** facing fabric offer the freedom to combine colors, define space or soften surface as well as add bold splashes of color to any environment.

## EXPRESS PERFECTION

Perfect Installations Through Well Resolved Product Development: All finishes (pencil line joints or framing) have been carefully engineered and honed over time to allow impeccable and straightforward installations for a broad range of field conditions.

## FLEXIBILITY, DESIGN, DURABILITY

# Vibrasto, a product that exceeds expectations

## DURABILITY

Improved upon over many years,

**Vibrasto** is an ultra resistant and durable composite material providing the best possible efficiency/thickness ratio on the market.

Highly resistant to breakdown, **Vibrasto** guarantees excellent resistance to shock and friction.

**Aeria** facing fabric is extremely abrasion and tear resistant.

**Vibrasto** is ideal for any high traffic commercial environments such as theaters, auditoriums, and restaurants.

Moreover its high absorption capacity of razing/low angled sound waves give it a distinct advantage particularly in low ceiling rooms.

Its ability to greatly reduce sound waves makes it especially ideal for large rooms.

**Vibrasto** is also ideal for small confined spaces like recording and sound studios.

## ANTI STAIN, ANTI STATIC

**Vibrasto**'s antistatic and fluid repellent surface protects it from dust and stain, preserving its appearance for years to come

## FIRE SAFETY

**Vibrasto** conforms to the most stringent requirements:

- USA ASTM E84 Class A
  - European standard: Bd0
  - French national standard: M1 non dripping
- Other countries, please contact us.

## HYGIENE

The nature of its constituents counteracts the development of house dust-mites and micro-organisms. It sheds no fibers.





**Vibrasto** is perfect for a wide range of spaces: an element of decoration for this television room (special application: see details on the reverse of this brochure), or a simple wall facing in this swimming pool.



Black 20 mm **Vibrasto** glued to the ceiling absorbs sounds and enhances the musical atmosphere in this café.

Many recording studios use **Vibrasto**, an ideal solution for confined spaces.



Optic fibres driven through the thickness of **Vibrasto**, light up this dome in a children's story room.

Whether in a swimming pool, music school, lecture theatre, hall, entrance hall, etc. placed on a wall or ceiling, **Vibrasto** is able to discreetly provide acoustic comfort.



**Vibrasto** is also used to upholster furniture and cupboards.

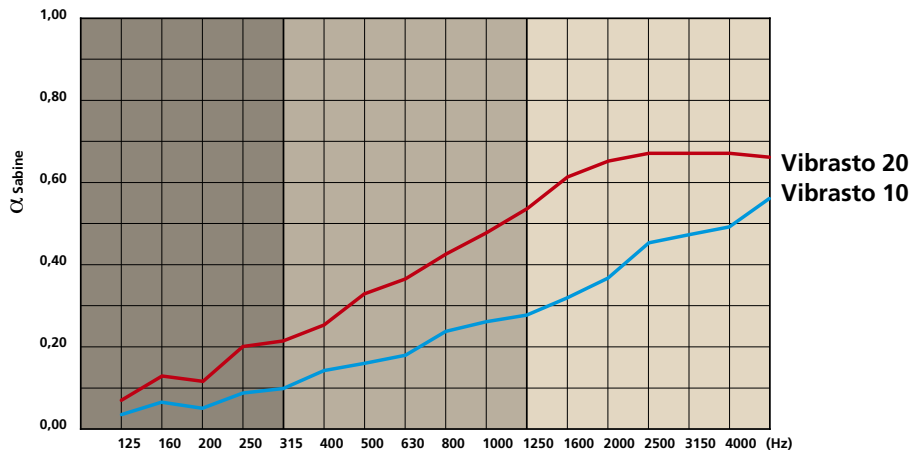


Restaurants, cafeterias and cafés are often noisy places in which **Vibrasto** demonstrates its potential at increasing speech intelligibility.

## ACOUSTICS

# Vibrasto 10 and 20

### > GLUED TO CONCRETE

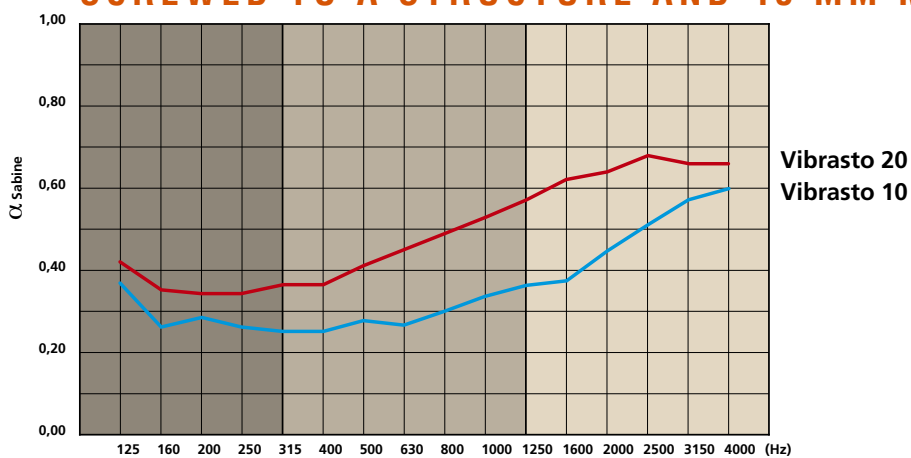


Frequencies (Hz)	$\alpha_w$	Class	NRC	125	250	500	1 000	2 000	4 000
<b>Vibrasto 20</b>	<b>0.39 (H)</b>	<b>D</b>	<b>0.45</b>	<b>0.07</b>	<b>0.20</b>	<b>0.32</b>	<b>0.48</b>	<b>0.65</b>	<b>0.67</b>
<b>Vibrasto 10</b>	<b>0.25 (H)</b>	<b>E</b>	<b>0.25</b>	<b>0.04</b>	<b>0.09</b>	<b>0.16</b>	<b>0.26</b>	<b>0.37</b>	<b>0.49</b>

Test reports available (**Vibrasto**, 2006)

Standard NF EN 20354 / ISO 354.

### > GLUED TO A GYPSUM BOARD SCREWED TO A STRUCTURE AND 45 MM MINERAL FIBER BASE



Frequencies (Hz)	$\alpha_w$	Class	NRC	125	250	500	1 000	2 000	4 000
<b>Vibrasto 20</b>	<b>0.50 (H)</b>	<b>D</b>	<b>0.55</b>	<b>0.42</b>	<b>0.34</b>	<b>0.41</b>	<b>0.53</b>	<b>0.63</b>	<b>0.66</b>
<b>Vibrasto 10</b>	<b>0.35 (H)</b>	<b>D</b>	<b>0.40</b>	<b>0.37</b>	<b>0.27</b>	<b>0.28</b>	<b>0.33</b>	<b>0.44</b>	<b>0.60</b>

This typical structure provides extra absorption at low frequencies.

## TYPICAL SPECIFICATION SHEET

# Vibrasto 10 and 20

## ACOUSTIC COVERING (GLUED INSTALLATION)

Installation contacts: qualified painters, shopfitters, joiners, wall covering/ceiling contractors.

The walls [ceilings] are to be treated with a flame-retardant non dripping acoustic covering ref. **Vibrasto** \_\_\_ [specify 10 or 20] from **Texaa**® made of an **Aeria** fabric knit vacuum bonded to SI foam underlay.

Its NRC value on concrete is \_\_\_ [specify 0.25 or 0.45].

Its NRC value on gypsum board is \_\_\_ [specify 0.40 or 0.55].

Its total thickness is \_\_\_ [specify 12 or 22 mm].

Fire rating as per USA ASTM E 84 / Class A / non dripping (France: M1).

Fire rating as per European SBI code is Bd0.

### Installation

**Vibrasto** is installed by direct gluing, using an adhesive – specified by the manufacturer – on a level and airtight surface, prepared in accordance with the manufacturer's instructions.

**Vibrasto** glued cannot conceal cavities, bumps or other surface irregularities. Before application, surfaces must therefore be level, clean, smooth and dry, fit for the application of the adhesive.

Low angled artificial lighting must be avoided.

### Colors \_\_\_\_\_

[To be selected by the architect in the **Aeria** round knit color chart: 23 colors.]

### Joints

The seams between the rolls are to be treated by pencil line joints.

The U profiles placed between the rolls are used for the insertion of the **Aeria** fabric edges.

– centre to centre distance: 1500 mm

### Peripheries

**Vibrasto** stops perpendicular to the ceiling [or the walls].

### Visible sides (optional)

The Γ shaped profiles are to be covered with **Aeria** fabric

These profiles are used when the edges of **Vibrasto** are visible.

### Ingoing 90° angle

A roll goes all the way to the corner.

The following roll starts perpendicular to the adjacent roll.

No profile is needed

### Outside 90° angle

**Vibrasto** can cover an outside angle

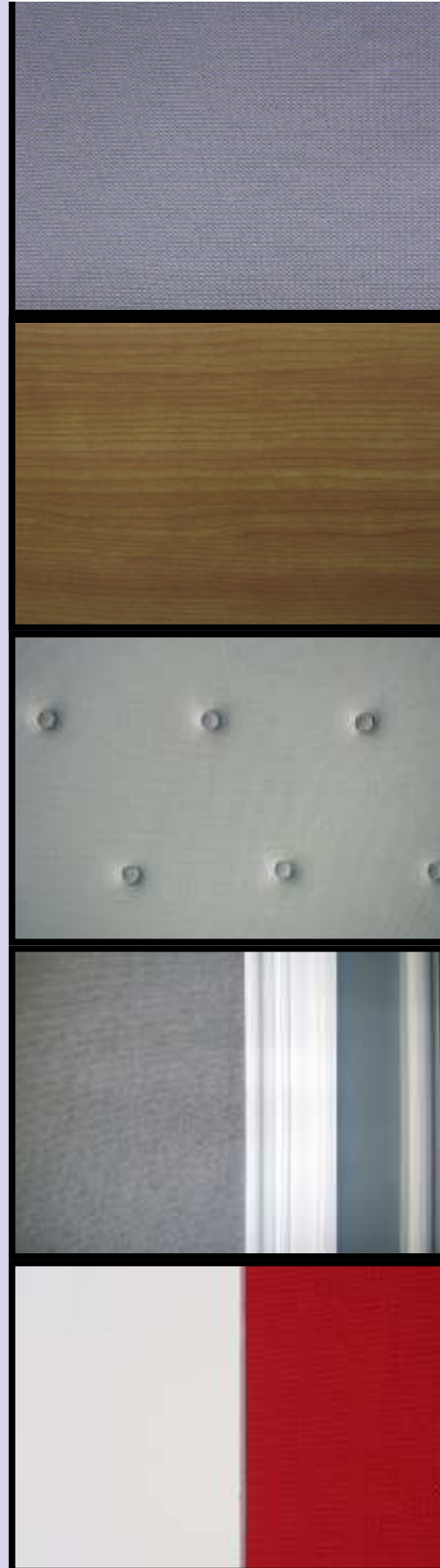
It is flexible enough to conform to the angle.

### Skirtings/baseboards

They must be at least equal to the actual **Vibrasto** thickness so as to conceal the base of the material.

### Electrical outlets

They are to be built up to the same level as the foam.

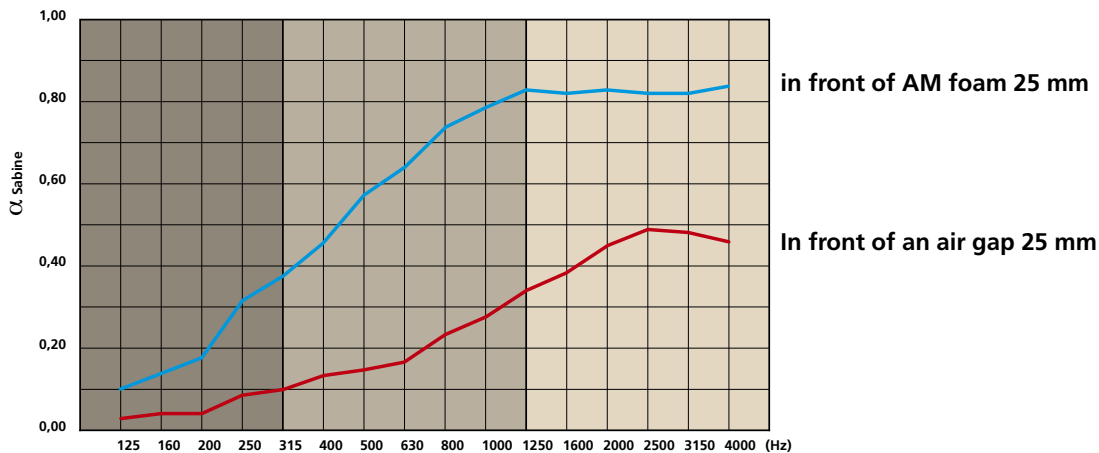


**Vibrasto** is also available in 05, pencil line finish not possible. Please contact us.

## ACOUSTICS

# Vibrasto 03/system 30

## > STRETCHED IN FRONT OF CONCRETE

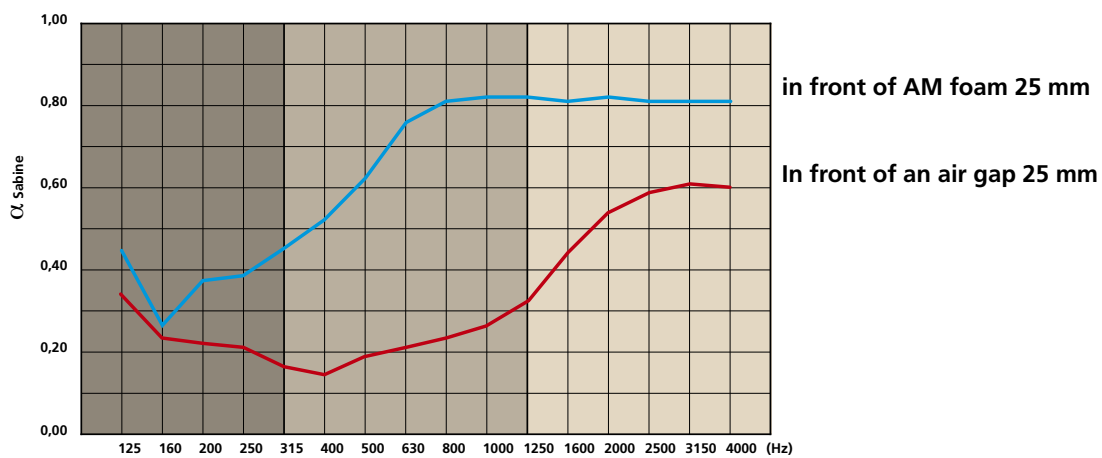


Frequencies (Hz)	$\alpha_w$	Class	NRC	125	250	500	1 000	2 000	4 000
Vib. 03 + AM foam 25 mm	0.57 (H)	C	0.70	0.10	0.31	0.57	0.79	0.82	0.81
Vib. 03 + air gap 25 mm	0.25 (H)	E	0.30	0.03	0.09	0.15	0.28	0.45	0.46

Test reports available ([Vibrasto](#), 2006)

Standard NF EN 20354 / ISO 354.

## > STRETCHED IN FRONT OF GYPSUM BOARD SCREWED TO STRUCTURE AND MINERAL FIBRE BASE 45MM



Frequencies (Hz)	$\alpha_w$	Class	NRC	125	250	500	1 000	2 000	4 000
Vib. 03 + AM foam 25 mm	0.67	C	0.70	0.43	0.39	0.62	0.82	0.82	0.81
Vib. 03 + air gap 25 mm	0.27 (H)	D	0.30	0.34	0.21	0.19	0.26	0.54	0.60



## TYPICAL SPECIFICATION SHEET

# Vibrasto 03/system 30

## ACOUSTIC COVERING (STRETCHED INSTALLATION)

Installation contacts: qualified painters, carpenters,  
wall covering/ceiling contractors.

The walls [ceilings] are to be treated with a flame-retardant non dripping acoustic covering ref. **Vibrasto 03/system 30** from **Texaa®** made of an **Aeria** fabric knit vacuum bonded to a felt underlay.

**Fire rating as per USA ASTM E 84 – Class A – non dripping - (France: M1).**

### Installation

**Vibrasto 03/system 30** is to be stretched in front of 25 mm AM foam  
for an NRC absorption value on concrete of 0.70  
for an NRC absorption value on gypsum board of 0.70  
The total thickness of the assembly is 30 mm.

### Colors -----

[To be selected by the architect in the **Aeria** round knit color chart: 23 colors]

### Joints

The finish between the rolls are to be treated by pencil line joints.  
The inverted L profiles placed between the rolls are used  
for the insertion of the **Vibrasto 03**.  
–centre to centre distance: 1500 mm

### Peripheries

L profiles are used for the tight insertion of **Vibrasto 03**  
at peripheries of assembly.

### Visible sides (optional)

The L shaped profiles are to be covered with **Aeria** fabric  
This is implemented when the edges of the **Vibrasto** assembly are visible.

### Outgoing angles

To be realized with special wedges provided by **Texaa®**.

### Ingoing angles

They will be made with pencil line joints.

### Electrical outlets

They are to be built up to the same level as the foam.



## CHARACTERISTICS

	Vibrasto 10	Vibrasto 20	Vibrasto 03/system 30
> <b>INSTALLATION</b>	glued	glued	stretched
> <b>ABSORBENT MATERIAL</b>			
– black or grey SI foam, thickness	10 mm	20 mm	
– black or grey felt, thickness			3 mm
– foam thickness			25 mm
> <b>SURFACE</b>			
– Aeria* round knit	23 colors	23 colors	23 colors
Highly-resistant to rubs and stains.			
> <b>DIMENSIONS</b>			
– total thickness	12 mm	22 mm	30 mm
– Width	1 500 mm	1 500 mm	1 520/1 500 mm
– Length	According to packaging requirements and constraints		
– Elasticity (length and width)	± 1,5 %	± 1,5 %	+3 % – 0 %
> <b>WEIGHT</b>	0,9 (kg/m <sup>2</sup> )	1,4 (kg/m <sup>2</sup> )	0,6 (kg/m <sup>2</sup> )
> <b>HEAT RESISTANCE</b> (ISO 8894-1)	0,2 m <sup>2</sup> K/W	0,4 m <sup>2</sup> K/W	0,95 m <sup>2</sup> K/W AM foam 25 mm

## SAFETY AND HYGIENE

> <b>FIRE RATING</b>	Non dripping		
			<b>Vibrasto 03</b>
	USA: ASTM-E84-Class A	USA: ASTM-E84-Class A	USA: ASTM-E84-Class A
	Europe (SBI): Bd0	Europe (SBI): Bd0	–
	France: M1 non dripping	France: M1 non dripping	France: M1 non dripping
			<b>AM Foam 25 mm</b>
			USA: ASTM-E84-Class A
			Europe (SBI): Cd0
			France: M1 non dripping
Upper calorific potential	17 MJ/m <sup>2</sup>	24 MJ/m <sup>2</sup>	12 MJ/m <sup>2</sup>
Production of incandescent droplets	no	no	no
> <b>DEVELOPMENT OF MICRO-ORGANISMS</b>	no	no	no
> <b>SHEDDING OF FIBERS</b>	no	no	no
> <b>VOC EMISSION (VOLATILE ORGANIC COMPONENTS)</b>	> Very faint. No hazard to man nor environment.		
> <b>LIGHT REFLECTION</b>			
– Color MR 820 (ISO 105 B-03)	83 %	83 %	83 %

## STRENGTH

> <b>FLUID REPELLENT TREATMENT</b>			
– AATCC118 (scale of 1 to 6)	ratio ≥ 5	ratio ≥ 5	ratio ≥ 5
> <b>ANTISTATICITY</b> (EN 1149-1)	7 10 <sup>10</sup> Ω	7 10 <sup>10</sup> Ω	7 10 <sup>10</sup> Ω
> <b>COLOUR FASTNESS</b>			
ISO 105-B02 (scale of 1 to 8)	≥ 5	≥ 5	≥ 5
> <b>FRAYING</b>	no	no	no
> <b>ABRASION RESISTANCE</b>			
(EN 530 – number of rubs)	> 40 000	> 40 000	> 40 000
> <b>DIMENSIONAL VARIATIONS</b> with temperature and atmospheric humidity (internal method)			
	< 0,1 %	< 0,1 %	< 0,1 %

## MAINTENANCE

Fluid repellent (dust and stain resistant).

Vacuum cleaner recommended every one to five years, depending on local conditions

## CUSTOMER SERVICE

Technically qualified salesmen.

## MANUFACTURING TIME

3 weeks for standard products

\* patent Texaa®





References shown:

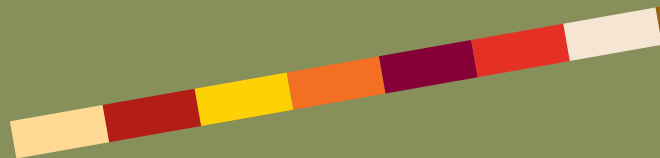
Cover page / Veolia. Project manager: Christophe Genty, architect. Design: Christophe Périchon.  
p. 2 / Texaa's® Show Room, Gradignan, L. Arsène-Henri & A. Triaud Agency, A. Triaud architect.  
// Buitenhoutcollege, Almere, The Netherlands. SP Architecten bv BNA, Waddinxveen, The Netherlands.  
p. 5 Veolia. Project manager: Christophe Genty, architect. Design: Christophe Périchon.  
// Swimming pool, Viry Chatillon. Marc Mimram, architect. Marc Mimram, Engineering. Peutz & Associés, acousticians.  
p. 6 / restaurant-bar Etienne Marcel, Paris Philippe Parreno, Pierre Huyghe, Groupe M/M, interior design.  
// recording studio "Sound Development", Zurich, Switzerland. Acoustics and architecture: WSDG / Walters-Storyk Design Group Europe.  
p. 7 / Story telling room, multimedia library, Bonneuil-sur-Marne. P. Leboucq, architect. J-P. Lamoureux, acoustician.  
// swimming pool, Viry Chatillon. Marc Mimram, architect. Marc Mimram, Engineering. Peutz & Associés, acousticians.  
// Espace Carpeaux, Music room // Meeting room, Andersen Consulting, Brussels.  
// Veolia / Project manager: Christophe Genty, architect. Design: Christophe Périchon.  
// Lecture theatre, Stryker Spine, Cestas. L. Arsène-Henri & A. Triaud Agency, M. Mathet, architect.  
// Meeting area, Stryker Spine, Cestas. L. Arsène-Henri & A. Triaud Agency, M. Mathet, architect.  
p. 8 / Restaurant "Georges", Centre G. Pompidou, Paris. D. Jakob, B. MacFarlane, architects. J-P. Lamoureux, acoustician.  
// Leisure and meeting area, Stryker Spine, Cestas. L. Arsène-Henri & A. Triaud Agency, M. Mathet, architect.  
// Entrance hall, Crédit Agricole Bank, Bordeaux / Françoise Bousquet, architect  
// Confidential reception booth, Tax offices of the 3rd district, Paris. Yedid architects. H. Abbadie (Photograph).  
P. 9 / Open offices, Lille. Architects: Quatr'A (Pierre Thelot) - La Madeleine (59110) Interior design Aepure Delemazure, Roubaix (59).  
Café "Reflets", work by artist Jean-Luc Vilmouth opened in 2003.  
// WTC, Rotterdam, The Netherlands. Mecannoo Architecten B.V., Delft, The Netherlands.  
// Thai White House, Lier, Belgium.  
P. 15 / Lecture theatre. Parallel, interior design.  
// Meeting area, Sea Club, Monaco. Michel Chiappori, architect.  
// Recording studio Radio Web, Arte, Issy-les-Moulineaux (92). Research and production: Abso, D. Josso Company.  
// Recording studio, TSR, Geneva, Switzerland. Acoustics and architecture: WSDG / Walters-Storyk Design Group Europe.  
// Circulation area, Stryker Spine, Cestas (33). L. Arsène-Henri & A. Triaud, M. Mathet Agency, architect  
// WTC, Rotterdam, The Netherlands. Mecannoo Architecten B.V., Delft, The Netherlands.  
// Restaurant of the Crédit Agricole Bank, Bordeaux Françoise Bousquet, architect.  
p. 16 / Auditorium. Architect: Christian de Portzamparc.  
Centre Des Bords de Marne - Grand Théâtre, Le Perreux sur Marne. Actes - Architecture and Scenography / J. and J.L. Chassard.

graphic design: presse papier

photos : DR

printers : BM - F-33610 ZI Canéjan

October 2006



**Texaa**®  
**Design Silence**  
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Fax: 020 - 496 3052  
info@witteveen.nl  
www.project-inrichting.nl  
www.scheidingswand.net

## VIBRASTO PADDED EFFECT

Only on gypsum board  
and preferably with **Vibrasto 20**.  
Installation reserved for upholsterers.

- 1- Wrap nail heads (diameter 22 mm / length 30 mm) with **Aeria** using upholstery glue.
- 2- Glue **Vibrasto** normally.
- 3- Locate with the help of needles the position of the nail heads.
- 4- Drill at required position – Insert dowel.
- 5- Gently drive in upholstered nails into the dowels with a hammer.

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www.scheidingswand.net