



## DESCRIPTION

CROXONITE panel is designed to open the realms of design flexibility in manufacturing and engineering office furniture.

CROXONITE is a rigid and absorbent panel that redefines sustainable design and dematerialization.

CROXONITE reduces reverberation, increases privacy controls air background noise and make comfortable acoustic environments in offices and open workspaces.

CROXONITE is a high density material fibers made from 100% polyester. Therefore, it is completely safe, non-toxic, non-allergenic and non-irritating.

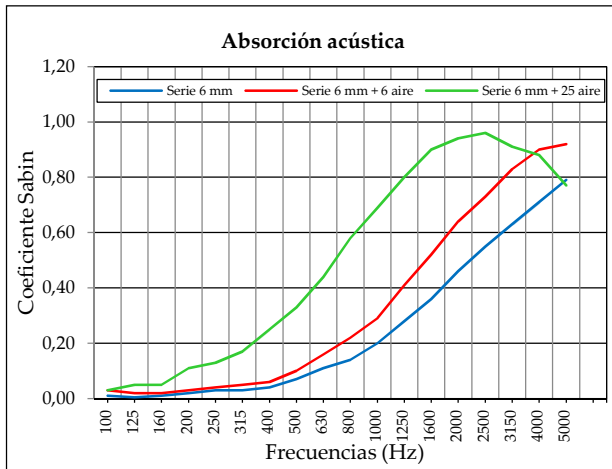
CROXONITE is ideal for the manufacture of partition screens, partitions or acoustic panel workspaces.

## SPECIFICATIONS

Composition	Polyester fiber.
Density	200 kg/m <sup>3</sup> .
Reaction to fire	B2 s1 d0.
Thickness	6 y 12 mm.
Dimensions	1000 x 1200 $\pm$ 5 mm. 600 x 1200 $\pm$ 5 mm.
	Other Dimensions on request.
Presentation	Uncoated (White Color) One side coated with tissue.



### Acoustic absorption: CROXONITE (6 mm)

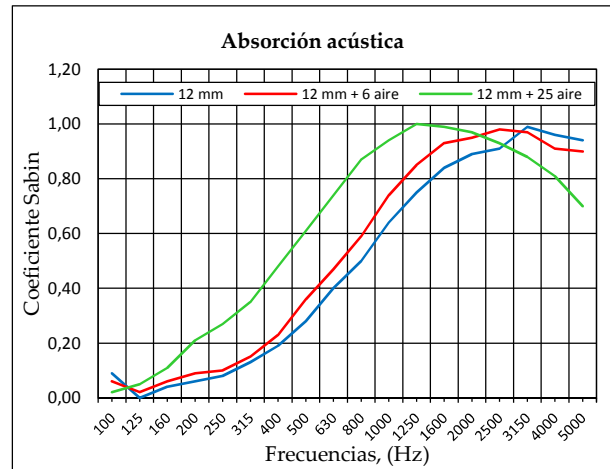


Test according to ASTM C423-99.

Frequency (Hz)	6 mm	*6 mm with 6 mm air	*6 mm with 12 mm air
125	0,01	0,02	0,05
250	0,02	0,02	0,13
500	0,07	0,10	0,33
1000	0,20	0,29	0,69
2000	0,46	0,64	0,94
4000	0,71	0,90	0,88
NRC	0,20	0,25	0,30

\* With air space.

### Acoustic absorption: CROXONITE (12 mm)



Test according to ASTM C423-99.

Frequency (Hz)	12 mm	*12 mm with 6 mm air	*12 mm with 12 mm air
125	0,00	0,02	0,05
250	0,08	0,10	0,27
500	0,28	0,36	0,61
1000	0,64	0,74	0,94
2000	0,89	0,95	0,97
4000	0,96	0,91	0,85
NRC	0,45	0,55	0,70

### PROPERIES

CROXONITE is made of polyester fiber without chemical binders or retardants.

- Excellent acoustic performance.
- Very durable performance and providing long-term stability,
- Safe, non-toxic, non-irritating and non-allergenic.
- Resistant to light-induced discoloration.
- Supplied uncoated or coated with decorative fabric.
- It can adhere to porous media using water-based adhesives.



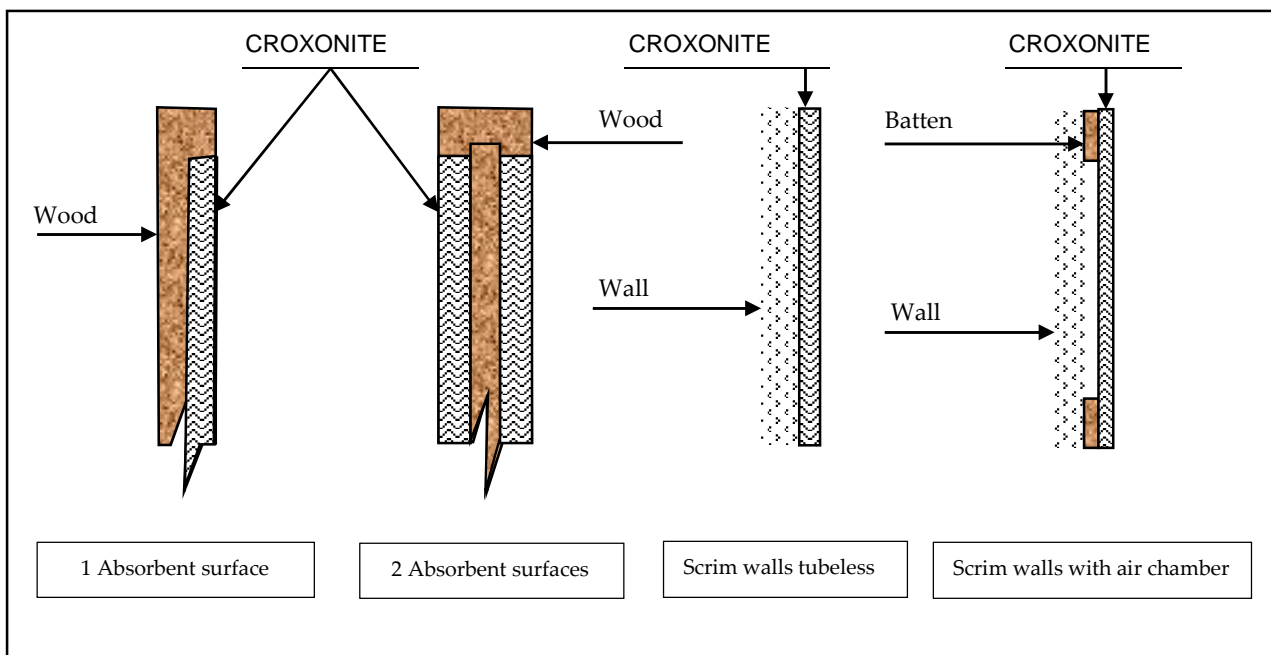
## APPLICATIONS

CROXONITE is used as an absorbent panel in manufacturing office partitions screens, both standing as desktop, in the wall covering by scrim, inside lining of office furniture to reduce reverberation in wood panels for wall covering, in vehicles, trains, ships, machinery, etc..

## HOW TO INSTALL

CROXONITE can adhere to porous media using water-based adhesives.

CROXONITE can be cut by knife or saw cut. If the cut is made with a circular saw, it is possible that burrs can be removed by hand or machine sanding occurring.



**CROXONITE detail installation**

## MOISTURE ABSORPTION

The polyester fiber when exposed to an atmosphere of 50 ° C and a relative humidity of 90 % for four days showed a lower moisture absorption less than 0.03 % weight. The polyester fiber is unaffected by moisture, mildew and will not rot or deteriorate in situations of use.

## FABRIC ACOUSTIC

The CROXONITE panels are also provided coated on one or both surfaces with an acoustic tissue.

## FABRIC MAINTENANCE

Vacuuming regularly. Clean with a damp cloth or upholstery shampoo.

Color range:



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