

# MILLEFORMA COTONE

- technical sheet -

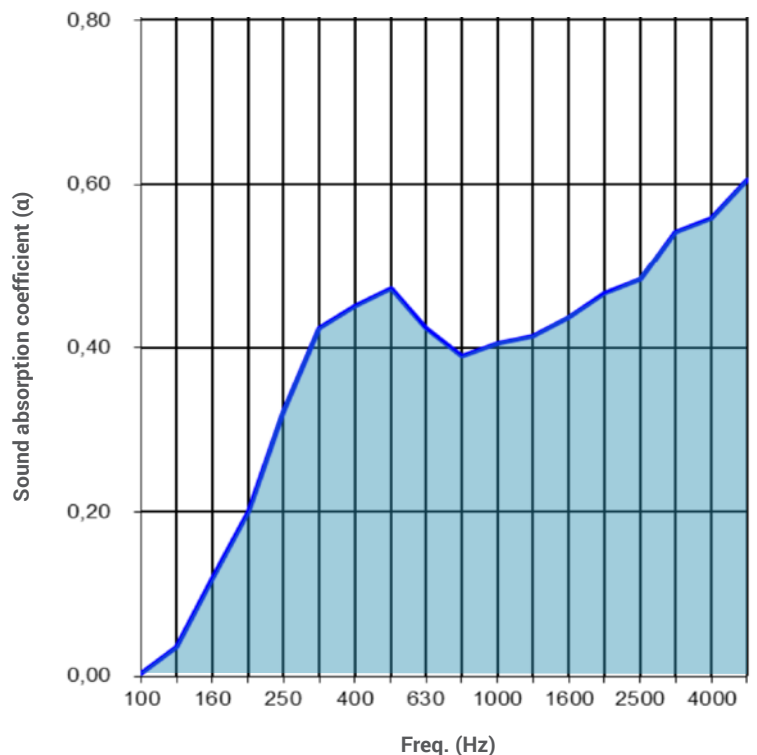
## MILLEFORMA COTONE

**milleforma COTONE** is an acoustic coating for wall and ceiling gluing, to improve the aesthetics and comfort of living and working spaces. It is made of natural material, based on cotton linters mixed with particular high quality clays and colored with natural earth. It comes in 9 standard shapes in different formats, available in 28 colors that can be joined together to create figures with very different aesthetic effects. The production techniques and treatments to which milleforma COTONE products are subjected also give resistance to fire and water, maintaining the excellent sensory and aesthetic qualities of the finished product intact.

## ACOUSTIC COMFORT

The milleforma sound-absorbing coverings are ideal decorative solutions to correct the noise disturbance in environments that need acoustic comfort. In particular, milleforma products have an excellent sound-absorbing response in the fundamental frequencies of the human voice, making them ideal for restoring acoustic comfort in public places, offices, schools and residential complexes.

FREQ (Hz)	T1 (sec)	T2 (sec)	$\alpha_s$	$\alpha_p$
100	6,53	6,49	0,00	
125	5,52	5,19	0,04	0,05
160	5,97	4,83	0,12	
200	6,33	4,47	0,20	
250	6,59	3,88	0,32	0,30
315	6,41	3,38	0,42	
400	7,11	3,46	0,45	
500	6,98	3,35	0,47	0,45
630	6,40	3,38	0,42	
800	5,87	3,35	0,39	
1000	5,53	3,18	0,41	0,40
1250	5,11	3,01	0,41	
1600	4,68	2,80	0,44	
2000	4,32	2,60	0,47	0,45
2500	3,85	2,39	0,48	
3150	3,19	2,03	0,54	
4000	2,81	1,86	0,56	0,55
5000	2,26	1,56	0,61	



**$\alpha_w = 0,45$**

Acoustic tests carried out at "CSI - Certifications and testing" on 07/08/18

## COMPOSITION

Milleforma cotton is composed of:

- Cotton cellulose: 73%
- Mineral component: 26% (micronized kaolin, coloring earths, fireproof salts)
- Acrylic resin: <1%

## TECHNICAL FEATURES

- Application: for inside. Wall and ceiling gluing.
- Forms: 9 shapes in different formats (page 2-3)
- Colors: 28 colors (complete palette on page 4)
- Smell: none
- Density: 300 kg/m<sup>3</sup> (6 kg/m<sup>2</sup>)

## CE MARKING

milleforma COTONE products carry the CE marking according to the EN 15102: 2007 + A1: 2011 standard as materials for wall and ceiling cladding.



0497

## PRODUCT CERTIFICATIONS

milleforma COTONE products have been tested for:

**FIRE REACTION:** They are in Class 1, reaction to fire "B-s1, d0" according to EN ISO 13823: 2010.

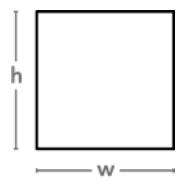
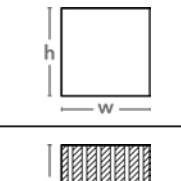
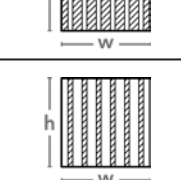
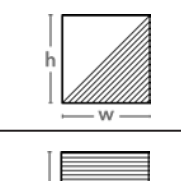
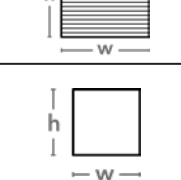

**ACOUSTIC PERFORMANCE:** They have been tested for reverberation room acoustics according to the UNI EN ISO 354: 2003 standard and in accordance with the UNI EN ISO 11654 standard for building sound absorbers.




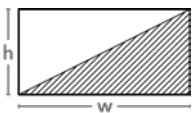
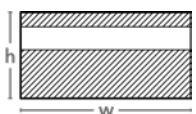
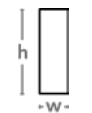

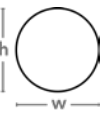
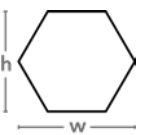
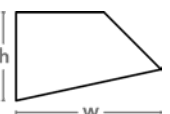

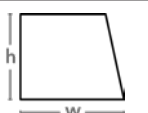
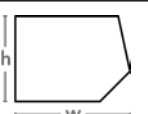
**THERMAL INSULATION:** According to the EN 12644: 2001 standard, thermal performance of materials and building products  $R = 0.21$

**VOC:** According to the UNI EN ISO 16000-9: 2006 + ISO 16000-6: 2011 volatile organic compounds from construction products and finishing in Class A +.

## DIMENSIONS

The thickness of all shapes is 20mm.

SHAPE	NAME	CODE	HEIGHT [mm]	WIDTH [mm]	WEIGHT [gr]	QUANTITY [p.cs/m <sup>2</sup> ]
	QUADRATO 60	F12-L	590	590	2197	2,9
	QUADRATO 30	F1-L	295	295	544	11,5
	QUADRATO 30 GESSATO ALTO	F1-GA	295	295	544	11,5
	QUADRATO 30 GESSATO BASSO	F1-GB	295	295	544	11,5
	QUADRATO 30 TWILL	F1-TW	295	295	544	11,5
	QUADRATO 30 MILLERIGHE	F1-MR	295	295	544	11,5
	QUADRATO 20	F10-Q	197	197	242	25,9

SHAPE	NAME	CODE	HEIGHT [mm]	WIDTH [mm]	WEIGHT [gr]	QUANTITY [p.cs/m <sup>2</sup> ]
	QUADRATO 20 POIS	F10-P	197	197	242	25,9
	QUADRATO 8	F9-Q	78	78	38	171
	RETTANGOLO 60	F6-L	295	590	1087	5,7
	RETTANGOLO 60 TWILL	F6-TW	295	590	1087	5,7
	RETTANGOLO 60 RIGATO	F6-RI	295	590	1087	5,7
	RETTANGOLO 30	F11-L	295	98	182	34,5
	RETTANGOLO 30 TWILL	F11-TW	295	98	182	34,5
	CERCHIO	F8-L	295	295	425	14,6
	ESAGONO	F7-L	340	393	628	10
	QUADRILATERO	F2-L	295	485	622	10
	TRIANGOLO	F3-L	295	295	272	23
	TRAPEZIO	F4-L	295	359	604	10,4
	PENTAGONO	F5-L	295	400	677	9,3

## COLORS

### Nero Roma



### Terra Verde Naturale



### Terra Ombra Naturale di Cipro



### Terra Gialla Ventilata



### Rosso Pompei



### Special colours



**milleforma**

via Russoli, 1 - 20143 Milano (IT) - tel. +39 02 3660 1587  
milleforma.it