

| Street furniture that purifies the air



From the collaboration between Anemotech s.r.l. and The Italian Lab benches are made that can purify the air.

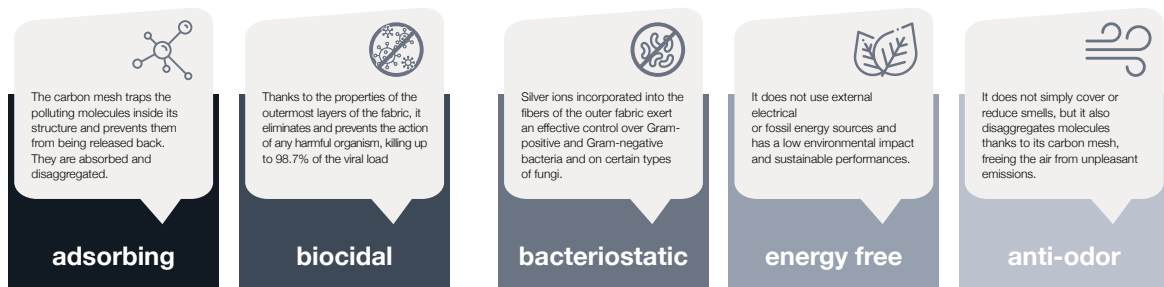
Thanks to the use of theBreath® technology, the URBAN SHELTER, CUBIC and CHARM BENCH benches, which already stand out for the uniqueness of the design and quality of the materials used, are enriched with an important anti-pollution function, to create a healthy space in to sit back and relax.



An important combination of technology and design, for the benefit of the environment and health.



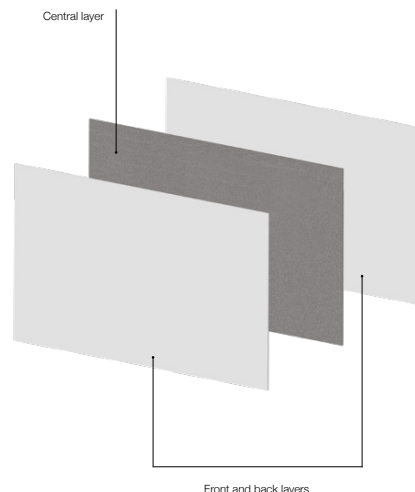
theBreath®, pure wellness.



A process as light as air.

theBreath® purification process is completely passive and it uses the natural flow of the air without additional energy sources.

- 1 FRONT LAYER**
Printable, bacteriostatic, antiviral and fungicidal, it helps air transpiration.
- 2 CORE LAYER**
A carbon mesh that absorbs, traps and disaggregates polluting molecules and bad smells.
- 3 BACK LAYER**
Printable, bacteriostatic, antiviral and fungicidal.





THE[®]
ITALIAN
LAB

theBreath[®]



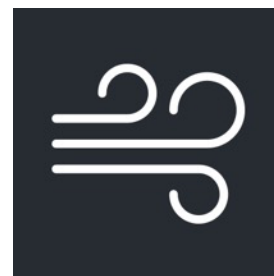
Absorbing action

It attracts polluting molecules within its fibrous structure, preventing their release



Cleaning action

The use of theBreath[®] in a limited area systematically reduces the bacterial load of the air in contact with the fiber.



Anti-odor action

The system is not limited to covering or mitigating odors deriving from the polluting molecules present in our habitats, but also absorbs them, freeing the air from annoying emissions.

theBreath[®]

Tests and certifications Safety and Health Protection.

theBreath[®] passed the tests on product performance and obtained important certifications:

ISO 16000-9

Test used to define the specific flow by emission surface of the volatile organic compounds (VOC's) generated by newly produced building products or finishing products in certain climatic conditions.

UNI 11247

Test used to define the photocatalytic abatement index of the nitric oxides in the air which are produced by inorganic materials.

ANSI/AHAMAC-1-2002 TEST

Method assessing the performances of the domestic air purifiers.

ISO 18184:2019

Determination of antiviral activity of textile products.

Oeko-Tex[®]

UNI EN ISO 3071:2006

BVL B 82.02-8 - 2001

RAIPS GS 2014:01

MIP 132:2014 Rev.0

DIN 54232:2010

ISO 18254-1:2016

UNI EN ISO 14184-1:2011

UNI EN 14362-1:2017

ISO 20743:2013

JIS 1902:2002

EN 14119 a-2003-12



For a better
environmental
management.



For occupational
safety and health
protection.



For the quality
of the business
processes.





theBreath

Efficient absorption.

Taking as a reference the data released by the University scientific research, below we provide the absorption values resulting from tests realized according to the provisions specified in the certificated standards.

The studies on the effectiveness of the **theBreath[®]** were developed in collaboration with Università Politecnica delle Marche - SIMAU (Scienze e Ingegneria della Materia, dell'Ambiente e dell'Urbanistica - Science, Matter Engineering, Environment and Urbanism) Department. Tests were realized following the international standards UNI, ISO, ANSI.

Results tested and verified by the Scienze e Ingegneria della Materia, dell'Ambiente e dell'Urbanistica Department



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



POLLUTANT		ABSORPTION
VOLATILE ORGANIC COMPOUNDS (VOC)	Toluene (C ₇ H ₈)	Up to 97,2%
	Heptane (C ₇ H ₁₆)	Up to 96,6%
FORMALDEHYDE (CH ₂ O)		Up to 92,2%
SULPHUR OXIDE (SO ₂)		Up to 91,5%
NITRIC OXIDE (NO _x)		Up to 86,8%
BENZENE (C ₆ H ₆)		Up to 62 %
OZONE (O ₃)		Continuous reaction in the atmosphere

Absorption table based on the Standards UNI 11247 / ANSI/ASHRAE AC-1-2002 / ISO 16000-9