iZiFON

Sound Absorption - Thermal Insulation. Polyester fiber slabs & rolls

iZiFON : New generation, revolutionary product, made of 100% polyester fibre.

iZiFON consists of fine, long , polyester fibres thermally bonded without the use of any chemical additive in its production. Is widely recognized for its energy conserving and sound absorption / thermal insulation properties. Produced by industry certified with OEKO-TEX®.

TECHNICALCHARACTERISTICS

Dimensions: 120 x 60 cm *(for slabs)*
12 m x 60 cm *(for rolls)*

Thickness: 30 or 50 mm *(other dimensions on request)*
(Tolerance range ±0,5cm)

Density: 20 or 38 Kg/m^3 *(for slabs)*
10 or 12 Kg/m^3 *(for rolls)*
(Tolerance range ±10%)

Colour: Off-white, Black *(only S38/50)*

Thermal insulation

Thermal conductivity: λ_{10} = 0.031 W/m.K *(34 Kg/m^3)*

Order example: iZiFON-25/50 *(density/thickness)*

Fire reaction
Since there are no chemical components involved in the manufacturing process at any time, it has self-extinguishing characteristics according to FMVSS 302:2011 (Certified by Bureau Veritas). Reaction to Fire classification. B-s2,d0 according to EN 13501-1 : 2018.

Stability
iZiFON is not affected by ultraviolet radiation neither by bacterial, microorganisms, insects etc. It has long time durability and does not need frequent replacements.
Temperature application range - 40 to +80°C.

Flexibility
It is particularly lightweight, flexible and easy to assemble.

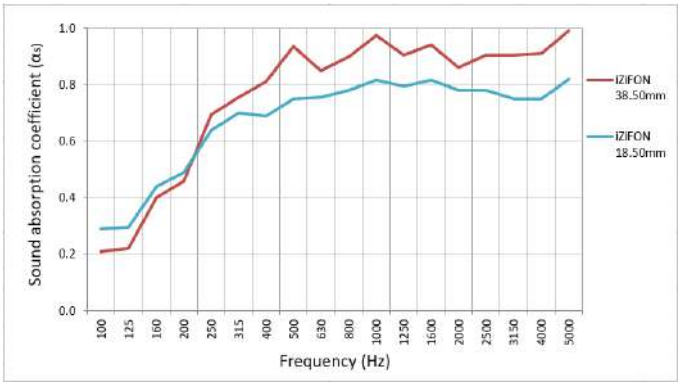
Eco friendly
Some types of iZiFON are made from recycled materials and it can also be recycled.

Friendly for humans and the environment
iZiFON is totally hygienic and non-allergic. It can be installed with bare hands and does not leave any itchy feeling to the installers. No gloves are required for handling it and it is 100% non-carcinogenic, thereby making it very user friendly. It is also odorless.
Certified according to ISO 16000: Indoor air quality, VOC & Formaldehyde **free** by CSI-SpA Italy.

APPLICATIONS

iZiFON is versatile. It can be applied over or under false ceilings, under concrete roofs, between gypsum board layers, etc.
iZiFON offers:
- Thermal and sound insulation between walls.
- Sound absorption for room acoustics.
- Thermal and sound insulation in air ducts.

Sound absorption properties



Sound absorption coefficient, αs per frequency,
according to ISO 354-85 measured in a laboratory reverberation chamber.
Weighted sound absorption coefficient αw = 0.90
according to ISO 11654
(for thickness 50mm and density 34.3 kg/m^3)

iZiFON

Sound Absorption - Thermal Insulation. Polyester fiber slabs & Rolls

iZiFON Slabs & Rolls

TYPE	DIMENSIONS (cm)	THICKNESS (mm)	NOMINAL DENSITY (kg/m³)
iZiFON S 23/50 *(Slabs)*	120 x 60	50	23
iZiFON S 23/30 *(Slabs)*	120 x 60	30	23
iZiFON S 38/50 *(Slabs)*	120 x 60	50	38
iZiFON S 38/30 *(Slabs)*	120 x 60	30	38
iZiFON R 12/50 *(Rolls)*	1200 x 60	50	12
iZiFON R 12/30 *(Rolls)*	1200 x 60	30	12

(Tolerance range ±10%)

Thermal conductivity λ (W/m.K): iZiFON S40 λ=0.031, iZiFON S25 λ=0.038
(certified measurement by KEDE/ Ministry of Public Works)

Typical applications

Floating ceiling application with iZifon

Floating dry-wall application with iZifon

Our company applies the Quality Management System ISO 9001.2008 & Environmental Management System ISO 14001.2004

ALPHA ACOUSTIKI

ALPHA ACOUSTIKI S.A.
EUID: ELGEMI.004207401000

T. +30 210 67 79 875
info@alphacoustic.com
www.alphacoustic.com