

Fire classification C-s2, d0

Fire protection test according to DIN EN 13501-1

aixFOAM Material designation

MH+++ | Flame protection C-s2, d0 / DIN 4102 B1

DIN EN 13501-1 is a European fire protection standard and differs from the German fire protection standard DIN 4102-1 in its testing criteria. In DIN EN 13501-1, building materials and constructions are tested for their combustibility and flammability, smoke production, and potential droplet or particle behavior in case of fire.

Both classifications are still in use; however, for building materials approved after 2001, only DIN EN 13501-1 is applied.

The German Institute for Standardization (DIN) is a privately organized service provider for standardization and normalization in Germany.

Test specimens

Several test specimens with a material thickness of up to 100 mm were examined (with and without aixFOAM self-adhesive kit) in the colors white-gray, architect white, and titanium gray.

Specimen arrangement

DIN EN 13823

„Test method for building products. Exposure to thermal attack by a single burning item for building products excluding floorings“

The specimen arrangement was carried out according to the conditioning specified in **DIN EN 13823**:

- free-standing in a metallic auxiliary frame according to CEN/TS 15447, with joint arrangement
- with aixFOAM self-adhesive kit STICKY applied to a gypsum board according to DIN EN 13238, with joint arrangement
- with aixFOAM self-adhesive kit STICKY applied to an aluminum sheet according to DIN EN 13238, with joint arrangement

The data specified are average values which have been determined to the best of our knowledge. As these data may fluctuate within the defined specification, they are to be regarded as non-binding. Liability for damages and disadvantages of any kind are excluded. The data do not exempt the purchaser from carrying out his own tests and trials. We reserve the right to make technical changes and updates.



DIN EN ISO 11925-2

„Test methods for fire behavior – Ignitability of products subjected to direct flame impingement – Part 2: Single flame source test“

The specimen arrangement was carried out according to the conditioning specified in **DIN EN ISO 11925-2**:

- with aixFOAM self-adhesive kit STICKY applied to a gypsum board according to DIN EN 13238
- with aixFOAM self-adhesive kit STICKY applied to an aluminum sheet according to DIN EN 13238

Classification/Results

- aixFOAM absorbers were classified according to DIN EN 13501-1 with a fire protection class of **C-s2, d0**
- Classification regarding fire behavior: **C (flame-retardant, limited contribution to fire)**
- Classification regarding smoke development: **s2 (medium smoke development)**
- Classification regarding burning droplets/particles: **d0 (no burning droplets/particles within 600 seconds)**

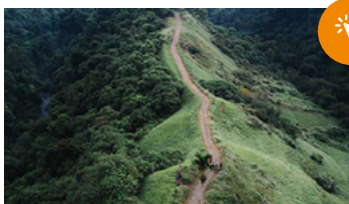
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Our aixFOAM quality promise

Every acoustic project is unique. That's why we focus on you and your individual requirements. In a consultation oriented according to your needs, we will find the right sound insulation together. Our product range offers a wide selection of different sound absorbers in classic and unusual designs. As a manufacturing company, we are in a position to implement special dimensions and individual and series production on request.

We guarantee fair prices. Networking with proven partners and sophisticated logistics enable us to purchase sustainably, to keep delivery times short and to meet deadlines as closely as possible. This applies to deliveries both within and outside of Germany.



More about our aixFOAM sustainability principle here:
www.aixfoam.com/view/sustainability

Quality standards according to DIN EN ISO 9001:2015

We believe that quality begins with the production. Therefore, we only use checked raw materials from Germany and the EU for our sound absorbers. In combination with modern manufacturing technology, particularly effective and durable products are created on a total of 6,000 m² of industrial space.

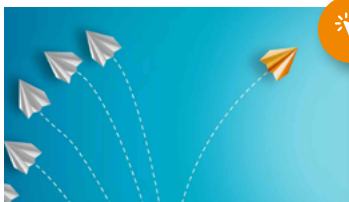
Tests by renowned institutes - such as the RWTH University in Aachen - guarantee that we always meet our high standards. This way you can rely on the best quality with every purchase. In addition, our quality management is regularly certified by TÜV Rheinland according to ISO standard 9001:2015.



More about our social commitment here: (currently only in German)
www.aixfoam.de/view/charity

Sustainable environmental management according to DIN EN ISO 14001:2015

As a company, we are aware of our responsibility towards our society and the environment. For our successful environmental management, we received the ISO 14001:2015 certification for the first time in June 2021.



More about our innovations here:
www.aixfoam.com/view/think-tank

aixFOAM think tank

Over 65 years of experience, numerous patents, utility models, designs and design patents, above-average customer satisfaction and top ratings on the consumer portal „Trusted Shops“ motivate us to continue to be there for you as a reliable and innovative partner in matters of sound insulation.

**Do you have questions about our products?
We are here for you!**

To contact us by phone +49 (0)2403 / 83830 - 22

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