



# Technical Specification No.9

*Determination of the acoustic absorption for coatings applied by pneumatic spraying of mineral wools with binder*

Revision index	Date of implementation
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## 1 Principle

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This appendix describes the method of assessing the acoustic absorption performances of this type of product. It also stipulates the test protocol and the specific application procedure for this type of product.

## 2 References

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EN ISO 354: Acoustic - Measurement of acoustic absorption in reverberant chamber

EN ISO 11654: Acoustic - Absorbants for use in buildings - Assessment of acoustic absorption

## 3 Application of the sample

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The product must be applied in a realistic way (the acoustic absorption properties of a material depend on the mounting) on an appropriate non-absorbent support.

A frame must be constructed around the product to contain it. It must be solid, not hollow and there must be no space between the test specimen and the frame or between the wall of the chamber and the frame. The height of the frame must correspond to the height of product tested.

## 4 Test method

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Measurement of the acoustic absorption coefficient must be performed in accordance with the provisions and requirements described in standard EN ISO 354 (2003).

The mean reverberation duration in the reverberant chamber must be measured with and without the test specimen. The duration of reverberation without the test specimen must however be measured WITH the support alone. Measurement of the duration of reverberation with the test specimen must be performed WITH the support, the test specimen and the closing frame.

## 5 Expression of the results

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Expression of the unique assessment index  $\alpha_w$  must be performed in accordance with the requirements described in standard EN ISO 11654.

## 6 Test Report

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The test report must contain the indications defined in standard EN ISO 354 (2003).