DELTA Test Report

Laboratory measurement of airborne sound insulation of a INWIDO Denmark A/S "coupled" side-hung construction with Float 6 mm glass in the external sash and a Float 3-14-5 argon filled insulating glass unit in the internal sash
(Koblet Dannebrogsvindue $1+2$ (6-26.5 / FI3-14-5))

## Performed for INWIDO Denmark A/S

## DANAK 100/2331

Project no.: 117-26088
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31 October 2017

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## Title

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| Journal no. | Project no. | Our ref. | Date of test |
| :--- | :--- | :--- | :--- |
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Client ref.
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Test conditions and referenced standards
Application rules for specific products:
Measurement of airborne sound insulation:
Measurement procedures and requirements:
Requirements for test facilities and equipment:
Evaluation:
EN ISO 10140-1:2016
EN ISO 10140-2:2010
EN ISO 10140-4:2010
EN ISO 10140-5:2010/Amd 1:2014

Measurement uncertainty:
EN ISO 717-1:2013
EN ISO 12999-1:2014

## Results

Airborne sound insulation measured in the laboratory, weighted sound reduction index according to EN ISO 717-1:2013:

$$
\mathrm{R}_{\mathrm{w}}\left(\mathrm{C} ; \mathrm{C}_{\mathrm{tr}}\right)=34(-2 ;-6) \mathrm{dB}
$$

Graph Sheet no. 1 shows the sound reduction index of every one-third octave band in the frequency range $50-5000 \mathrm{~Hz}$ together with the shifted reference curve corresponding to the measured weighted sound reduction index. The one-third octave band values are shown both in tabular form and graphically. Additionally, the octave band values are calculated from the onethird octave bands in the frequency range $63-4000 \mathrm{~Hz}$ and are shown in tabular form.

## List of annexes

Description of the test specimen: See Annex A + B1-3
Mounting in the laboratory: See Annex A
Measuring conditions and procedure: See Annex C
Measurement uncertainty:
See Annex D
Measurements at low frequencies: See Annex E
Measuring equipment:

## Remarks

The test result applies to the tested specimen only.

DELTA - a part of FORCE Technology, 31 October 2017


