



DELTA Test Report



 **DANAK**
TEST Reg. no. 100

**Laboratory measurement of airborne sound insulation of a INWIDO Denmark A/S "coupled" side-hung construction with 4 mm glass in the external sash and a Float 3-16-3 mm argon filled insulating glass unit in the internal sash
(Koblet Dannebrogsvindue 1 + 2 (4-26,5 / FI3-16-3))**

Performed for INWIDO Denmark A/S

DANAK 100/2196
Project no.: I101054
Page 1 of 12 incl.
1 graph sheet
7 annexes

15 September 2016

DELTA
Venlighedsvej 4
2970 Hørsholm
Denmark

Tlf. +45 72 19 40 00
Fax +45 72 19 40 01
www.delta.dk
VAT No. 12275110

Title

Laboratory measurement of airborne sound insulation of a INWIDO Denmark A/S “coupled” side-hung construction with 4 mm glass in the external sash and a Float 3-16-3 mm argon filled insulating glass unit in the internal sash (Koblet Dannebrogsvindue 1 + 2 (4-26,5 / F13-16-3))

Journal no.	Project no.	Our ref.	Date of test
DANAK 100/2196	I101054	MBH/LSS/ilk	16 August 2016

Client

INWIDO Denmark A/S
Fabriksvej 4
9640 Farsø

Client ref.

Jens Bo Nielsen

Laboratory

DELTA
Agro Food Park 13
8200 Aarhus N
Denmark

Test conditions

Application rules for specific products:	EN ISO 10140-1:2010
Measurement of airborne sound insulation:	EN ISO 10140-2:2010
Measurement procedures and requirements:	EN ISO 10140-4:2010
Requirements for test facilities and equipment:	EN ISO 10140-5:2010
Evaluation:	EN ISO 717-1:2013



Results

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

$$R_w (C; C_{tr}) = 32 (-3; -8) \text{ dB}$$

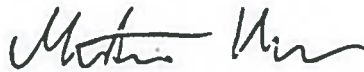
Graph Sheet no. 1 shows the sound reduction index of every one-third octave band in the frequency range 50-5000 Hz together with the shifted reference curve corresponding to the measured weighted sound reduction index. The one-third octave band values are shown both in tabular form and graphically. Additionally,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

Remarks

Description of the test specimen:	See Annex A
Mounting in the laboratory:	See Annex A
Drawings of the test specimen:	See Annex B1-B3
Measuring conditions and procedure:	See Annex C
Measurements at low frequencies:	See Annex D
Measuring equipment:	See Annex E

The test result applies to the tested specimen only.

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Elaborated by:
Morten B. Hansen
Acoustics



Released by:
Lars S. Søndergaard
Acoustics

