

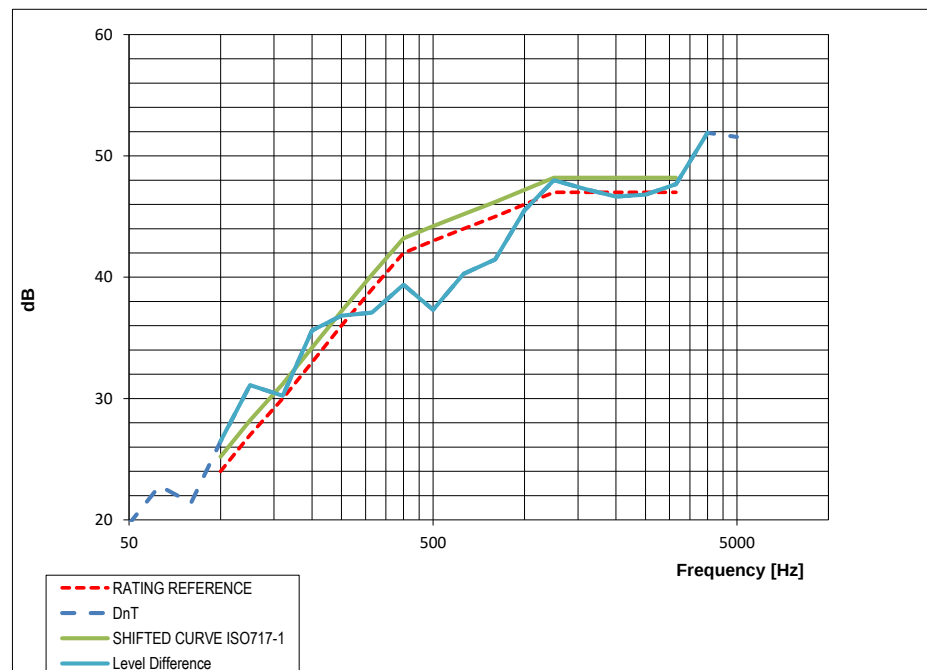
**STANDARDISED LEVEL DIFFERENCE ACCORDING TO ISO 162283-1 2014
FIELD MEASUREMENTS OF AIRBORNE SOUND INSULATION BETWEEN ROOMS**

TEST DATE		21 07 2020	
PLACE		Real field test'	
PRODUCT		GF Serene 45	
ALUGLASS ACOUSTIC RATING		43 dB	
PRODUCT DESCRIPTION		22.76mm Acoustic Laminate Demountable Glazing System	
AREA OF THE SEPARATING PARTITION		21,60	m ²
VOLUME OF THE RECEIVING ROOM		86,40	m ³
VOLUME OF THE SOURCE ROOM		172,80	m ³
EQUIVALENT ABSORPTION AREA IN RECEIVING ROOM	(EST).	27,65	m ²
TEST DESCRIPTION AND COMMENT			
TEST EQUIPMENT USED			
Source		Pink Noise Generator / Aluglass Omni-directional Speaker	
Measurement		Iphone X with MicW i486 Test Microphone	



DATE	DOCUMENT CONTROL	AUTHOR
26 06 2018	DESCRIPTION	
	TEMPLATE	
		N W E

Frequency Hz	DnT dB
50	19,7
63	22,8
80	21,4
100	26,5
125	31,1
160	30,2
200	35,6
250	36,8
315	37,1
400	39,4
500	37,3
630	40,3
800	41,5
1000	45,5
1250	48,0
1600	47,2
2000	46,6
2500	46,8
3150	47,7
4000	51,9
5000	51,6



Rating Reference	43	dB						
$D_{nT,w}(C; C_{tr}) =$	44,2	(-1;-5) dB						weighted Standardised Level Difference, $D_{nT,w}$, according to ISO 717-1
$C_{50-3150} =$	-1 dB	$C_{50-5000} =$	-1 dB	$C_{100-5000} =$	-1 dB			
$C_{tr50-3150} =$	-8 dB	$C_{tr50-5000} =$	-8 dB	$C_{tr100-5000} =$	-5 dB			
$R'_w =$	43,2	dB						weighted apparent sound reduction index, R'_w according to ISO 717-1
STC =	44,2	dB						sound transmission class, STC, according to ASTM E413

TEST REPORT NO:					TESTING SERVICE			
DATE OF ISSUE :					TEST TECHNICIAN			
					ANALYSIS TECHNICIAN			