

# SOUND REDUCTION INDEX

## GELUIDVERZWAKKINGSINDEX

### INDICE D'AFFAIBLISSEMENT ACOUSTIQUE

# R

EN ISO 140-3:1995 Acoustics-Measurement of sound insulation in buildings and of building elements -

Part 3: Laboratory measurements of airborne sound insulation of building elements

EN ISO 717-1:1996 Acoustics - Rating of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation

**Aanvrager / demandeur / requested by:**

GLAVERBEL GROUP  
Chaussée de la Hulpe, 166  
1170 BRUXELLES

**N° PV:** AC 3665

**N° DE:** DE 631xA083

**datum test / date de l'essai / date of test:** 19/09/03

**blz. / page / page:** 3/5

**Zendruimte / salle d'émission / source room:**

Hall K, A1 (V = 50.5 m<sup>3</sup>)

**Ontvangstruimte / salle de réception / receiving room:**

Hall K, A2 (V = 49.2 m<sup>3</sup>) (% H<sub>2</sub>O = 57 %) (T = 22 °C)

**Opp. S testelement / Surf. S de l'élément d'essai / Area S of test element:**

1.88 m<sup>2</sup>

**N° testelement / N° de l'élément de l'essai / N° test sample:**

31/20/2/2

f (Hz)	R	
	1/3oct (dB)	oct
50		
63		
80		
100	24.7	
125	27.0	26.6
160	29.5	
200	27.8	
250	31.0	29.9
315	32.2	
400	32.4	
500	34.2	34.1
630	36.6	
800	36.9	
1000	38.2	38.1
1250	39.6	
1600	39.7	
2000	39.9	39.2
2500	38.2	
3150	39.1	
4000	43.2	42.0
5000	47.4	

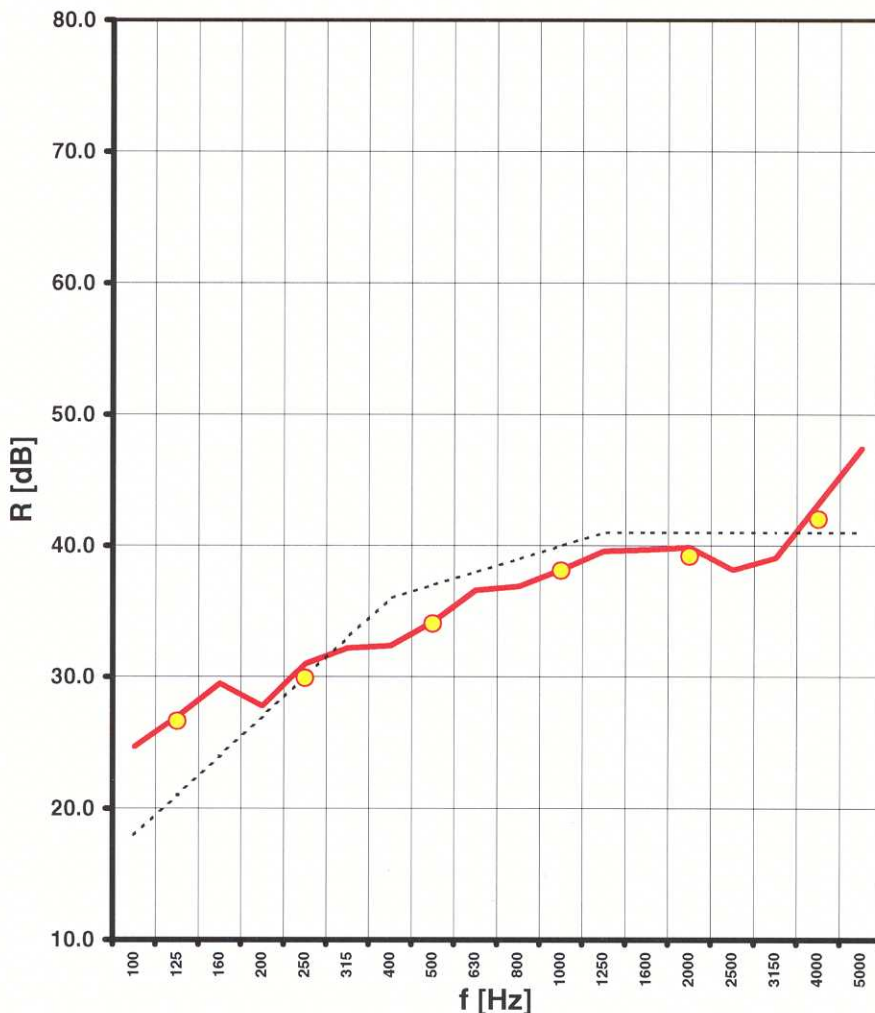
**R<sub>w</sub> (C;Ctr) = 37 (0;-2) dB**

**additional adaptation terms [dB]**

C50-3150 = - Ctr,50-3150 = -

C50-5000 = - Ctr,50-5000 = -

C100-5000 = - Ctr,100-5000 = -



..... shifted ISO-curve of reference values for airborne sound, 1/3d octave bands

**Proefelement / élément d'essai / test element**

(Beknopte beschrijving door het bedrijf, details: pag. 2 / description sommaire par l'entreprise, détails: page 2 / short description by the manufacturer, details: page 2)

Glazing 44.2 Stratophone

