

# SOUND REDUCTION INDEX GELUIDVERZWAKKINGSINDEX INDICE D'AFFAIBLISSEMENT ACOUSTIQUE



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 3668

**N° DE:** DE 631xA083

**datum test / date de l'essai / date of test:** 25/09/03

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

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

Hall K, A1 (V = 50.5 m³)

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

Hall K, A2 (V = 49.2 m³) (% H2O = 47 %) (T = 22 °C)

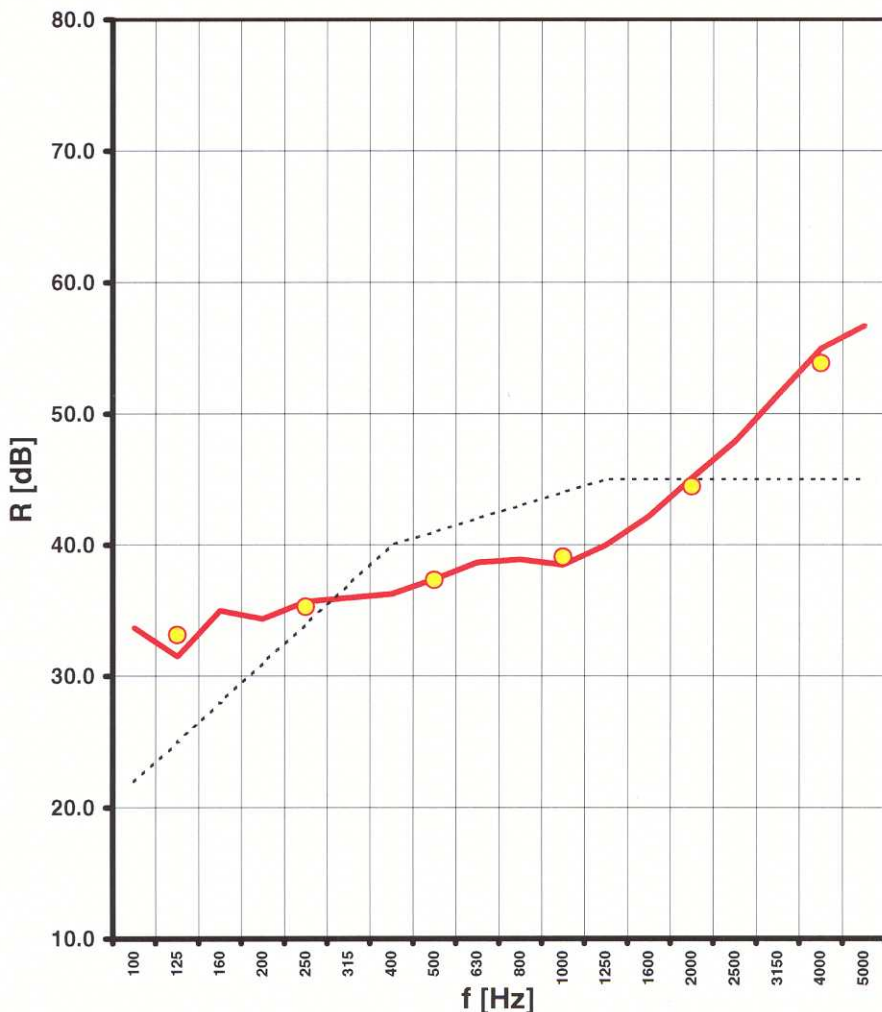
**Opp. S testelement / Surf. S de l'élément d'essai / Area S of test element:**

1.88 m²

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

31/20/2/5

f (Hz)	R	
	1/3oct (dB)	oct
50		
63		
80		
100	33.7	
125	31.5	33.2
160	35.0	
200	34.4	
250	35.7	35.3
315	36.0	
400	36.3	
500	37.4	37.4
630	38.7	
800	38.9	
1000	38.5	39.1
1250	40.0	
1600	42.2	
2000	45.1	44.5
2500	47.9	
3150	51.5	
4000	55.0	53.8
5000	56.7	



**Rw (C;Ctr) = 41 (-1;-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 88.2 Stratophone

