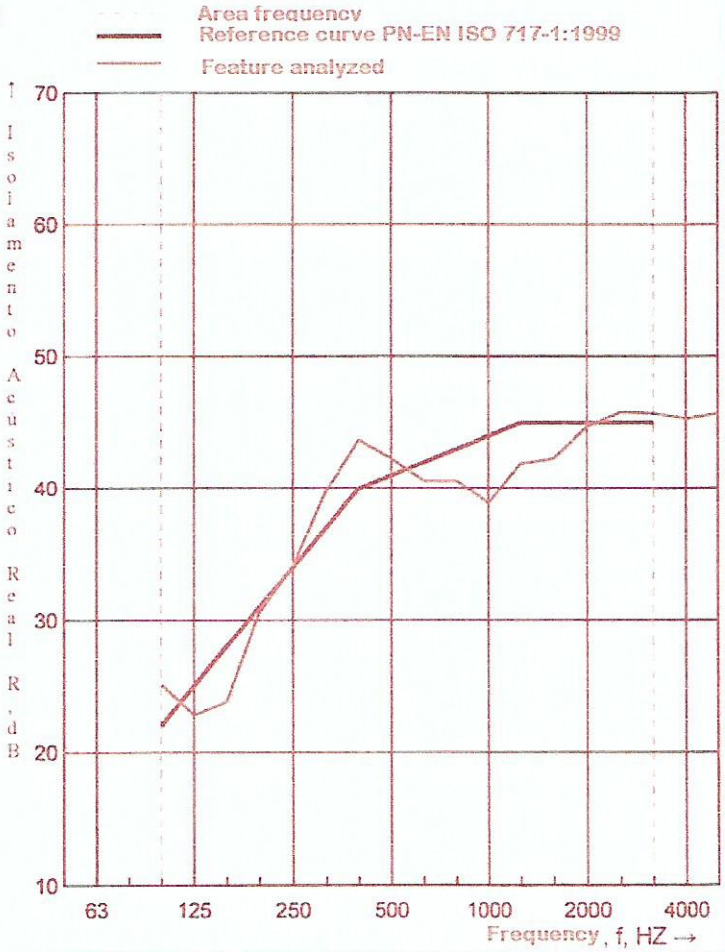
Real Acoustic Insulation as Standard PN – ENV 20140-3:1999
Laboratory masurement of sound insulation elements of air noise

Submitted by: **PORTRISA INDUSTRIA DE PORTAS, S.A**
RUA DAMAJOEIRA APARTADO 47 PONTE DA PEDRA, 2416-901
Sample mounted on: **ITB**
Sample description:
Start Power Door
Measure: 2000x800mm
Sample n.: 1/LLA-1667/08

Total surface of the sample: 1.90m^2
infiltration factor: --.-- m^3/(m^2·h·daPa$^{2/3}$)

Rehersal room:	emission	receive
Capacity of rooms in m^3	100.0	93.0
Air temperature C°	16.6	15.8
Relative humidity %	41.9	38.9

Frequency f [Hz]	R 1/3 octave [dB]
50	---.-
63	---.-
80	---.-
100	25.1
125	22.8
160	23.8
200	30.6
250	34.1
315	39.8
400	43.7
500	42.3
630	40.6
800	40.6
1000	38.9
1250	41.9
1600	42.3
2000	44.7
2500	45.8
3150	45.7
4000	45.3
5000	45.7



Indices as the standard PN-EN ISO 717-1:1999

$R_w(C;C_{tr}) = 41\ (-1; -5)$ dB

$C_{50\text{-}3150}$	--- dB	$C_{50\text{-}5000}$	--- dB	$C_{100\text{-}5000}$	-1 dB
$C_{tr,50\text{-}3150}$	--- dB	$C_{tr,50\text{-}5000}$	--- dB	$C_{tr,100\text{-}5000}$	-5 dB

Evaluation based on the results of laboratory measurements carried out in accordance with the methodengineering

Technical Institute Civil – Team of Research Laboratories
(Instytut Techniki Budowlanej – Zespół Laboratoriów Badawczych)
Acoustic Laboratories (Laboratorium Akustyczne)

N. of the test: 343.09	Test date: 2009-04-24	Signature: N.Bombala