

**NORMALIZED FLANKING LEVEL DIFFERENCE  $D_{n,f}$   
OF A SUSPENDED CEILING**

AL45

Test 2  
Date 14/01/08  
Station PHI

REQUESTER, MANUFACTURER **ROCKFON (Poland)**

NAME **Sonar Plan dB 42, Krios dB 42, Ekla dB 42**

APTITUDE IN THE EMPLOYMENT **Unchecked**

**MAIN CHARACTERISTICS**

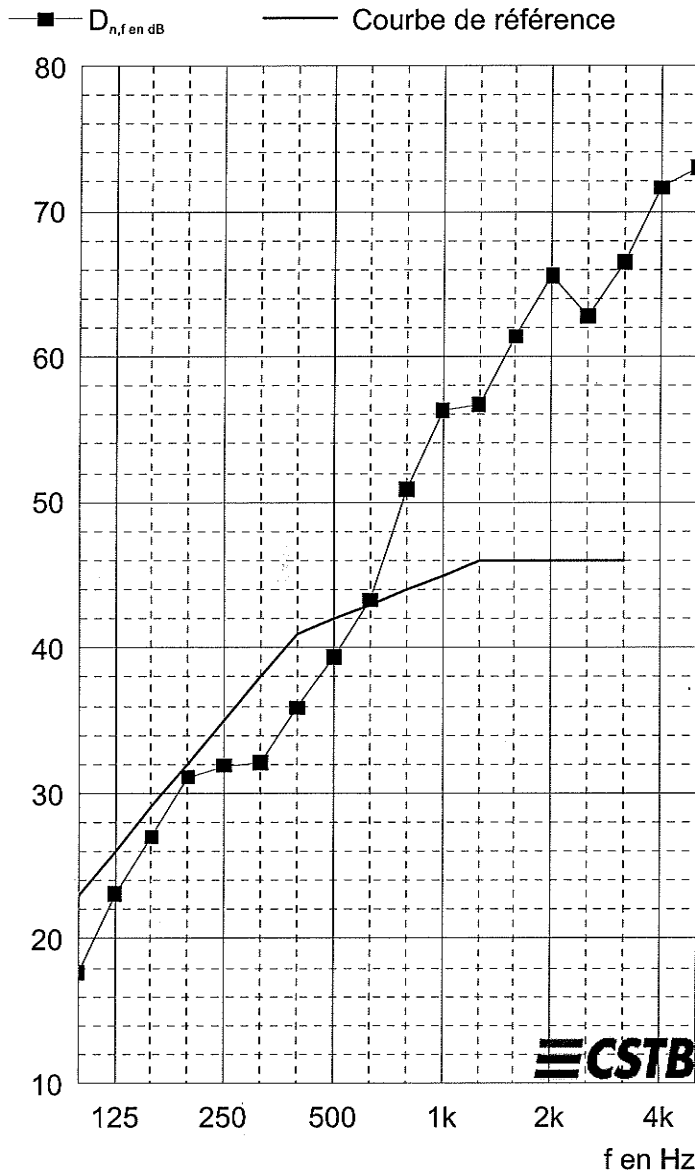
Dimensions of model in mm : 10930 x 4160  
Thickness in mm : 40  
Weight per unit of area  $kg/m^2$  : 6.0  
Plenum height in mm : 670

**MEASUREMENT CONDITIONS**

**PHI 1 :** Temperature: 25 °C  
Relative humidity: 37%

**PHI 2 :** Temperature: 25 °C  
Relative humidity: 41%

**RESULTS**



f	$D_{n,f}$
100	17,7
125	23,1
160	27,0
200	31,1
250	31,9
315	32,1
400	35,9
500	39,4
630	43,3
800	50,9
1000	56,3
1250	56,7
1600	61,4
2000	65,6
2500	62,8
3150	66,5
4000	71,6
5000	73,0
Hz	dB

(\*) : valeur corrigée. (+) : limite de poste.

$D_{n,f,w} (C; C_{tr}) = 42(-1; -7)$  dB

Pour information :

$D_{n,f,w} + C = 41$  dB

$D_{n,f,w} + C_{tr} = 35$  dB

