

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

Test Date **17**
Station **PHI**
Date **22/01/08**

AL45

REQUESTER, MANUFACTURER **ROCKFON (Poland)**
NAME **EKLA EVOLUTION**
CONFIGURATION **With ACOUSTIMASS barrier**
APTITUDE IN THE EMPLOYMENT **Unchecked**

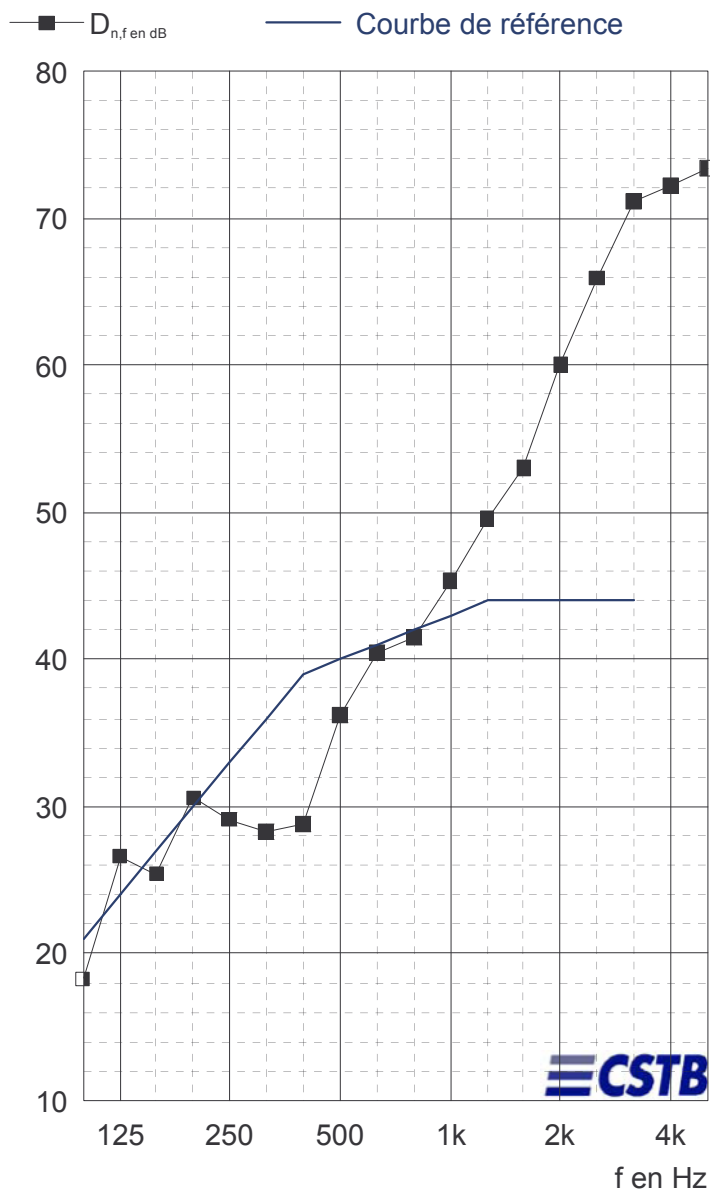
MAIN CHARACTERISTICS

Dimensions of model in mm : 10930 x 4160
Thickness in mm : 20
Weight per unit of area kg/m² : 2.3
Plenum height in mm : 690

MEASUREMENT CONDITIONS

PHI 1 : **PHI 2 :**
Temperature: 25 °C Temperature: 25 °C
Relative humidity: 33 % Relative humidity: 38 %

RESULTS



f	$D_{n,f}$
100	18,3
125	26,6
160	25,4
200	30,6
250	29,1
315	28,3
400	28,8
500	36,2
630	40,4
800	41,5
1000	45,3
1250	49,6
1600	53,0
2000	60,0
2500	65,9
3150	71,1
4000	72,2
5000	73,4
Hz	dB

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

$D_{n,f,w} (C; C_{tr}) = 40(-2; -6) \text{ dB}$

Pour information :

$D_{n,f,w} + C = 38 \text{ dB}$

$D_{n,f,w} + C_e = 34 \text{ dB}$

