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Report

Project number: T09.25929-03

Received:

Floor covering "Offline"; TNO reference MT09.25929-03

Date
12-01-2010

Project number
T09.25929-03

Phone number client
+31-33-2460777

Fax number client
+31-33-2460300

Your reference
-

Article
Offline

Appendix
0

Product information

Name	OFFLINE
Dimensions	tile
Construction	tufted
Pile type	loop
Backing	bitumen and fleece

Order : To determine:
- The impact sound insulation according:
ISO 140-8. Calculation according ISO 717-2.

Results : measurement and graph, page 2

Project leader:
Mr. J. Brinks

Visa:
Mr. H. Fokkenrood.

TQS applies General Terms & Conditions which
are filed at the office of the Clerk for civil affairs
at the Court in Zutphen (the Netherlands) under
number 12/2009, dated March 26th 2009.



Date
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Construction data

Method ISO 1763, ISO 1765, ISO 1766 and ISO 8543

Total mass per unit area	g/m ²	:	3840
Effective pile mass	g/m ²	:	450
Total thickness	mm	:	7.8
Thickness of the pile	mm	:	3.1
Pile density	g/cm ³	:	0.145
Number of tufts	m ²	:	217,000

Sound insulation according ISO 140-8, Calculation according ISO 717-2.

Impact sound improvement index ΔL_w : 31.9 dB

Sound insulation according ISO 140-8, measurements and graph

Frequency Hz	ΔL dB
50	1,2
63	4,0
80	3,6
100	4,9
125	6,0
160	7,6
200	11,3
250	13,7
315	18,6
400	22,1
500	27,8
630	32,3
800	40,3
1000	46,8
1250	51,3
1600	56,7
2000	62,0
2500	66,6
3150	
4000	
5000	

