

## Test report

R.E. N°: 12-733-CQ

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### Impact noise reduction $\Delta L$ (ISO 140-8 ; ISO 717-2 ; NF S 31-053)

The acoustic chambers comply with NF S 31-053 and ISO 140-1

<b>Testing date:</b>	07/09/12	<b>Manufacturer:</b>	Forbo Reims	<b>Product:</b>	Sarlon 19 dB
Item:	433731	Batch:	1780	Roll:	9
Jumbo roll:	H01	Underlayer:		Manufacturing date:	31/08/12

#### Sample characteristics:

Weight (g/m <sup>2</sup> ):	2870	Wear layer thickness (mm):	0,67
Dimensions (cm):	50x32	Compact layer thickness (mm):	1,09
		Foam layer thickness (mm):	1,64
		Total thickness (mm):	3,40

#### Testing parameters:

Adhesive:	Fixdal
Weight (g/m <sup>2</sup> ):	200
Drying time:	

Concrete surface temperature (°C):	21	Emission room volume (m <sup>3</sup> ):	76,6
Moisture level (%):	52	Reception room volume (m <sup>3</sup> ):	68,9
Microphones number and locations:	1 (rotary)		

Sample damage due to testing: No damage

Observation: No remark

Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Noise level on concrete (dB)	65,6	63,2	64,6	65,4	67,3	65,3	66,2	66,5	68,8	69,6	71,5	71,7	72,4	72,5	72,7	72,4	71,6	70,1
Noise level on sample (dB)	1,1	2,7	3,4	3,4	4,2	3,8	7,2	8,8	13,3	20,4	30,6	32,4	39,3	48,9	54,0	57,2	60,3	60,2

#### Results

$\Delta L =$	17	dB(A)
$\Delta L_w =$	19	dB
$\Delta C_i =$	-11	dB
$L_{new} =$	61	dB

Requested by: CA

As part of: QC

Performed by: YS

# Test report

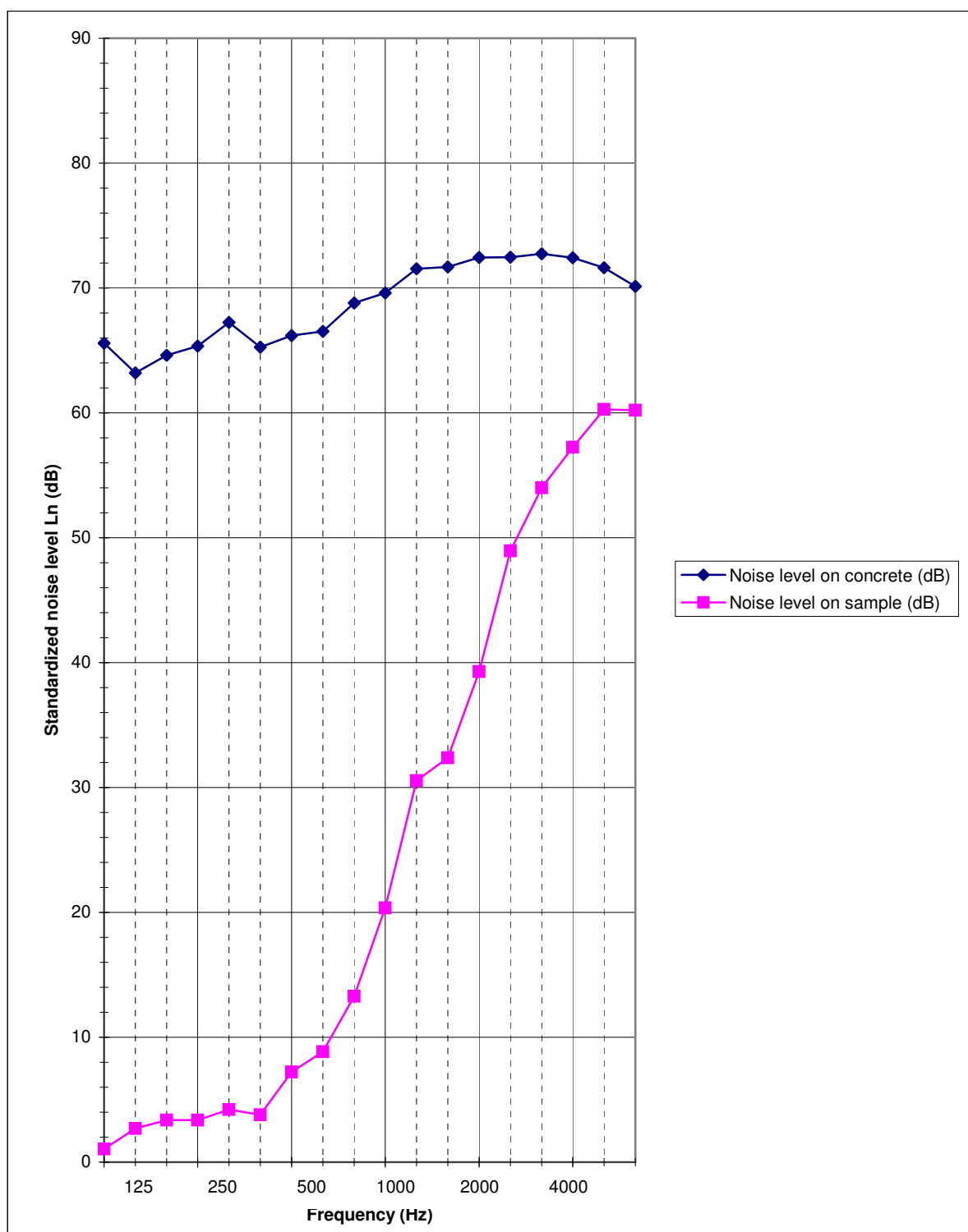
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## Impact noise reduction $\Delta L$ (ISO 140-8 ; ISO 717-2 ; NF S 31-053)

The acoustic chambers are in compliance with NF S 31-053 et ISO 140-1

<b>Testing date:</b>	07/09/12	<b>Manufacturer:</b>	Forbo	<b>Product:</b>	Sarlon 19 dB
<b>Item:</b>	433731	<b>Batch:</b>	1780	<b>Roll:</b>	9
<b>Jumbo roll:</b>	H01	<b>Underlayer:</b>		<b>Manufacturing date:</b>	31/08/12



# Test report

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## Impact noise reduction $\Delta L$ (ISO 140-8 ; ISO 717-2 ; NF S 31-053)

The acoustic chambers are in compliance with NF S 31-053 et ISO 140-1

<b>Testing date:</b>	07/09/12	<b>Manufacturer:</b>	Forbo	<b>Product:</b>	Sarlon 19 dB
<b>Item:</b>	433731	<b>Batch:</b>	1780	<b>Roll:</b>	9
<b>Jumbo roll:</b>	H01	<b>Underlayer:</b>		<b>Manufacturing date:</b>	31/08/12

Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	Lnew (dB)
Noise level (dB)	66,2	65,7	66,3	65,1	63,8	65,8	63,1	61,2	59,3	55,0	52,4	52,8	51,4	49,7	50,1	49,3	61,0

