ACL ACIMENTEIRADOLOURO

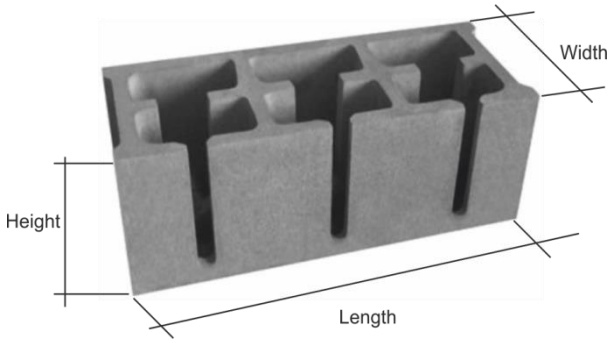
PRODUCT TECHNICAL DATA SHEET

CE

BlocoAcústicoSilence

ECOBLOCO
A ALVENARIA QUE POUPA

Units: mm



EN 771-3 Specification for masonry units - Part 3: Aggregate concrete masonry units (Dense and lightweight aggregates)

Product characteristics

Dimensions Length x Height x Width (mm)	500x200x200
Tolerance Category	D1
Reaction to Fire	Classe A1
Mean Compressive strength (MPa)	≥ 2.0
Dimensional Stability (mm/m)	0.20
Water Absorption by Capillarity (g/(m2.s))	8.4
Shear Bond Strength (N/mm2)	0.15
Durability against freeze/thaw	NPD
Average Weight (kg)	19
Unit l Pallet	60

Sound Absorption Coefficient (αs)

Frequency (Hz)	100	125	160	200	250	315	400	500	630
αs	0.29	0.74	0.79	0.95	1.02	0.86	0.87	0.82	0.74
Frequency (Hz)	**800**	**1000**	**1250**	**1600**	**2000**	**2500**	**3150**	**4000**	**5000**
αs	0.64	0.53	0.45	0.41	0.42	0.38	0.36	0.35	0.34

Sound Insulation to Aerial Sounds (Rw)

Frequency (Hz)	100	125	160	200	250	315	400	500	630
Rw (dB)	38.4	34.6	40.5	33.5	38.8	40.8	48.5	50.6	51.9
Frequency (Hz)	**800**	**1000**	**1250**	**1600**	**2000**	**2500**	**3150**	**4000**	**5000**
Rw (dB)	52.5	54.5	56.2	57.3	57.3	59	55.6	56.5	60.2

NPD – No Performance Determined

Note: Values of insulation and Sound Absorption obtained in tests with rock wool.

Approved by:	**Elaborated by:**	**FTP nº:**	**Date:**
Dinis Silva	Bruno Veloso	BLAS_01_EN	14 l 08 l 2020

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