



AEROC AS
Andja, Sõmeru Parish, 44105 Lääne-Virumaa

06

EVS-EN 845-2:2003

AEROC LINTEL - AUTOCLAVED AERATED CONCRETE LINTEL

Dimensions: length (mm), width (mm), height (mm) (Table 1)

Dimensional tolerances:

Length	± 15,0 mm
Width	± 1,5 mm
Height	± 5,0 mm

Load bearing capacity:

(kN/m) (Table 1)

Deflection:

(mm) (Table 1)

Equivalent thermal conductivity: $\lambda_{10,dry}$ (tabulated value)

0,13 W/mK

Reaction to fire:

Class A1

Water vapour diffusion coefficient: (tabulated value)

5/10

Dry density of the AAC:

450 kg/m³ (±30 kg/m³)

Corrosion protection: (Steel reinforcement)

Material/coating reference G22

Durability against freeze-thaw:

50 cycles

Table 1 AEROC lintels - dimensions, load bearing capacity and deflection

Dimensions (mm) length x width x height	Property	Lintels length L (mm) module/[actual]					
		1600 [1591]	2000 [1989]	2400 [2387]	3000 [2984]	3600 [3581]	4000 [3979]
L x 150 x 200	Load bearing capacity (kN/m)	20	20				
	Deflection (mm)	2.7	3.9				
L x 150 x 400	Load bearing capacity (kN/m)	30	30	30	30		
	Deflection (mm)	0.7	1.8	2.8	4.8		
L x 200 x 200	Load bearing capacity (kN/m)	20	20	20	15		
	Deflection (mm)	2.1	3.9	5.5	8.0		
L x 200 x 400	Load bearing capacity (kN/m)	30	30	30	30	20	20
	Deflection (mm)	0.6	1.6	2.6	5.6	6.8	7.5
L x 250 x 200	Load bearing capacity (kN/m)	20	20	20	15		
	Deflection (mm)	2.0	3.8	5.4	8.0		
L x 250 x 400	Load bearing capacity (kN/m)	30	30	30	30	20	20
	Deflection (mm)	0.6	1.4	2.5	5.4	6.7	7.4
L x 300 x 200	Load bearing capacity (kN/m)	20	20	20	15		
	Deflection (mm)	1.9	3.7	5.3	7.9		
L x 300 x 400	Load bearing capacity (kN/m)	30	30	30	30	20	20
	Deflection (mm)	0.6	1.3	2.4	5.2	6.5	7.3
L x 375 x 200	Load bearing capacity (kN/m)	20	20	20	15		
	Deflection (mm)	1.8	3.5	5.2	7.8		
L x 375 x 400	Load bearing capacity (kN/m)	30	30	30	30	20	20
	Deflection (mm)	0.5	1.2	2.2	5.0	6.3	7.1