

Technical Data - ArGeLite

sizes	length:	max. l = 800 mm (centre to centre distance) tolerance $\pm 1,0$ mm
	height:	200 / 250 / 300 mm (centre to centre distance) tolerance $\pm 1,5$ mm
	thickness:	24 mm tolerance $\pm 1,0$ mm
<u>constancy of the form:</u> (DIN EN 1304)		flexion: longitudinal arch max. 3,0 mm lateral arch max. 1,5 mm deviation from perpendicular: max. 1,0 mm / 200 mm max. 2,0 mm / 400 mm
<u>weight</u> (dry):		ca. 30 kg/m ²
<u>body density:</u>		$\geq 2,0$ g/cm ³
<u>breaking load:</u> (DIN EN 1304)		average value $\geq 1,5$ kN / minimum value $\geq 1,2$ kN
<u>bending tensile strength:</u>		12-20 N/mm ²
<u>water absorption:</u> (DIN EN 539-2)		$\leq 9,0$ % according to test reports of Bautest Dresden GmbH (formerly MPA Dresden) between 3 and 8 %.
<u>frost resistance:</u> (DIN EN 539-2)		according to DIN EN 539-2
<u>linear thermal expansion:</u> (EN ISO 10545-8)		< 0.4 mm referring to a length of 1000mm
<u>moisture expansion:</u> (DIN EN 10545-10)		= 0,03% (according to test reports of Bautest Dresden GmbH)
<u>acid-resistance:</u> (DIN EN 10545-13)		proven (according to test reports of Bautest Dresden GmbH)
<u>alkali-resistance:</u> (DIN EN 10545-13)		proven (according to test reports of Bautest Dresden GmbH)

fire protection
classification:
(DIN 4102)

ceramic tile plates:
aluminium substructure:

flammability rating A, incombustible
flammability rating A1, incombustible

composition of clay:

calcspars
potash
quartz
feldspath
aluminium oxide
ferric oxide
manganese
chromium oxide
platinum

external control:

Bautest Dresden GmbH (formerly MPA Dresden); approved testing
laboratory, regulatory agency and certificate authority