



Subject: Technical Data

Acid resistance: passed (according to test reports of Bautest Dresden GmbH, formerly MPA
(DIN EN 10545-13) Dresden)

Alkali resistance: passed (according to rest reports of Bautest Dresden GmbH)
(DIN EN 10545-13)

Bending tensile strength: (DIN EN 538)	Apricot-beige	12,5 N/mm ²	261psf
	Glacier blue	20,0 N/mm ²	418psf
	Iron grey	11,8 N/mm ²	246psf
	Light grey	11,4 N/mm ²	238psf
	Natural red	13,1 N/mm ²	274psf
	Pearl white	11,7 N/mm ²	244psf
	Platinum grey	12,4 N/mm ²	259psf
	Red brown	16,5 N/mm ²	344psf
	Sahara	14,4 N/mm ²	301psf
	Salmon pastel	13,7 N/mm ²	286psf
	Sand	10,1 N/mm ²	211psf
	Tuscan red	13,1 N/mm ²	274psf
Volcano grey	11,2 N/mm ²	234psf	

Breaking load: average value ≥ 337 lbf (1,5 kN)/minimum value ≥ 269 lbf (1,2 kN)
(DIN EN 1304) for example test report MPA Hannover Nr. 094761.1:
Tile plate: module 1500 mm length/400 mm height
average value = 1038.3 lbf (4,62 kN)/minimum value = 986.6 lbf (4,39 kN)

Consistency of profile: (DIN EN 1304)	permissible twist	bend in length max. 0.11" (3,0 mm)
		bend in height max. 0.059" (1,5 mm)
	deviation from vertical	max. 0.039" (1,0 mm)/200 mm height max. 0.078" (2,0 mm)/400 mm in height

Raw Density/Hardness ≥ 0.073 lbs/in³ ≥ 2,0 g/cm³
7 Mohs equivalent for hardness and scratch resistance

Fire protection classification: (DIN 4102)	ceramic tile plates:	flammability rating A, non-combustible
	aluminum substructure:	flammability rating A1, non-combustible

Frost resistance: (according to test reports of Bautest Dresden GmbH)
(DIN EN 539-2)

Technical Data

TAS-ARG-51

Linear thermal expansion: (EN ISO 10545-8)	<1/64"/ft (<0.4 mm in length of 1000 mm)
Moisture expansion: (DIN EN 10545-10)	= 0,03% (according to test reports of Bautest Dresden GmbH)
Sizes:	
length	max. l=60" mm (module including joint) tolerance ± 0.039" (1.0 mm)
height	LINEO: LINEO 4 200/257 mm (module) LINEO 9 250 mm (module) TAMPA: 150/175/187.5/200/212.5/225/237.5/243.5 250/275/300/400/500 mm (module including joint) TERZO: TERZO 200/225/243.5 mm (module) TERZO 1 150 mm (module) TERZO 2 225 mm (module) TERZO 3 225/250 mm (module)
thickness	1 7/32" – (30 mm) tolerance ± 0.059" (1.5 mm) 1 3/8" (35 mm) – greater than 16" in height tolerance ± 0.39" (1.0 mm)
Water absorption: (DIN EN 539-2)	≤ 9,0 % permissible (according to test reports of Bautest Dresden GmbH) between 3 and 8 % (5.5% average)
Weight (dry):	ca. 8.63/lbs/ft ² (thickness = 35 mm: ca. 12/lbs/ft ²)

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