

检测报告 TEST REPORT

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共 6 页 第 4 页
Page 4 of 6

EN 14411:2016 Ceramic tiles - Definition, classification, characteristics, assessment and verification of constancy of performance and marking Annex G Requirements for dry-pressed ceramic tiles with low water absorption of Group BIa ($E_b \leq 0,5\%$)					
条款 Clause	性能 Properties	检验方法 Test Method	要求 Requirements	检验结果 Results	判定 Verdicts
A	尺寸和表面质量 Dimensions and surface quality				
A.1	长度和宽度 Length and Width 每块砖的平均尺寸相对于工作尺寸的允许偏差 The permissible deviation of the average size for each tile (4 sides) from the work size	EN ISO 10545-2:2018	$\pm 0.6\%$	-0.12%~-0.10%	P
			$\pm 2.0\text{mm}$	-0.7mm ~-0.6mm	P
A.2	厚度 Thickness 每块砖厚度的平均值相对于工作尺寸的最大允许偏差 The permissible deviation, of the average thickness of each tile from the work size thickness	EN ISO 10545-2:2018	$\pm 5\%$	-0.2%~+1.3%	P
			$\pm 0.5\text{mm}$	0 ~ +0.1mm	P
B	物理性能 Physical properties				
B.1	吸水率 质量分数 Water absorption Percent mass fraction	EN ISO 10545-3:2018	$E_b \leq 0.5\%$	0.05%	P
			单个值不大于 0.6% Individual maximum 0.6%	0.04% ~ 0.08%	P
B.2	破坏强度/N Breaking strength, in N	EN ISO 10545-4:2019	≥ 1300	1881	P
B.3	断裂模数/(N/mm ²) Modulus of rupture, in N/mm² 不适用于破坏强度 $\geq 3000\text{N}$ 的陶瓷砖 Not applicable to tiles with breaking strength $\geq 3000\text{N}$	EN ISO 10545-4:2019	平均值 ≥ 35 Minimum 35	45.3	P
			单个值 ≥ 32 Individual minimum 32	42.0~ 47.3	P
B.4	耐磨性 Abrasion resistance 无釉砖耐磨深度: 磨损体积/(mm ³) Resistance to deep abrasion of unglazed tiles: Removed volume, in cubic millimeters	EN ISO 10545-6:2012	≤ 175	131~139	P
B.6	抗热震性 Thermal shock resistance	EN ISO 10545-9:2013	应通过此项测试 Pass	样品经试验, 无炸裂或裂纹 Fully resistance	P

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B.9	摆锤法, PTV 96 Pendulum friction test, PTV 96	CEN/TS 16165:2016 附录 C Annex C	报告检验结果 Declared value	干法 Dry: 63 湿法 Wet: 7	—
B.14	防火性能 Reaction to fire	无需测试 CWT	A1 or A1 _{FL} 级 Class A1 or A1 _{FL}	墙砖: A1 级 地砖: A1 _{fl} 级 Used for walls: Class A1 Used for floorings: Class A1 _{fl}	P
C	化学性能 Chemical properties				
C.1	耐污染性 Resistance to staining				
	a) 轻油中的铬绿 a) Green staining agent in light oil	EN ISO 10545-14:2015	报告检验结果 Declared value	5 级 Class 5	—
	b) 轻油中的红色污染物 b) Red staining agent in light oil	EN ISO 10545-14:2015	报告检验结果 Declared value	5 级 Class 5	—
	c) 13g/L 碘酒液 c) Iodine, 13g/L solution in alcohol	EN ISO 10545-14:2015	报告检验结果 Declared value	5 级 Class 5	—
	d) 橄榄油 d) Olive oil	EN ISO 10545-14:2015	报告检验结果 Declared value	5 级 Class 5	—
C.2	耐化学腐蚀性 Resistance to chemicals				
	耐家庭化学试剂和游泳池盐类 Resistance to household chemicals and swimming pool salts				
	家庭化学试剂: 氯化铵溶液, 100g/L a) Household chemicals: Ammonium chloride, 100g/L	EN ISO 10545-13:2016	不低于 B 级 Minimum class B	A	P
	b) 游泳池盐类: 次氯酸钠溶液, 20mg/L b) Swimming pool salts: Sodium hypochlorite solution, 20mg/L	EN ISO 10545-13:2016	不低于 B 级 Minimum class B	A	P
	耐低浓度酸和碱 Resistance to low concentrations of acids and alkalis				
	a) 3% 盐酸溶液(v/v) a) Hydrochloric acid solution, 3% (v/v)	EN ISO 10545-13:2016	报告检验结果 Declared value	LA	—
	b) 柠檬酸溶液, 100g/L b) Citric acid solution, 100g/L	EN ISO 10545-13:2016	报告检验结果 Declared value	LA	—
	c) 氢氧化钾溶液, 30g/L c) Potassium hydroxide, 30g/L	EN ISO 10545-13:2016	报告检验结果 Declared value	LB	—
	耐高浓度酸和碱 Resistance to high concentrations of acids and alkalis				
	a) 18% 盐酸溶液(v/v) a) Hydrochloric acid solution, 18% (v/v)	EN ISO 10545-13:2016	报告检验结果 Declared value	HA	—