Concreti TDS

Collection: Concreti

Edge Detail: Rectified & Micro Beveled

Colors: Dark Grey, Light Grey, Medium Grey

Sizes (") / Thickness ("): 12x24, 24x24 / (3/8")

Technical Characteristics	Test Method	Value Required	Results
Length and Width The permissible deviation of the average size for each tile (4 sides) from the work size	EN ISO 10545-2	±0.6% ±2.0mm	-0.02%~0 -0.1mm~0
Thickness Thickness shall be specified The permissible deviation, of the average thickness of each tile from the work size thickness	- EN ISO 10545-2	Declared Thickness ±5% ±0.5mm	9.5mm +3.61% ~ +4.61 +0.3mm ~ +0.4mm
Water Absorption	EN ISO 10545-3	$E_b \leq 0.5\%$ Individual Maximum 0.6%	0.18% 0.16% ~ 0.22%
Bending Strength in (N/mm^2) Not Applicable to tiles with breaking strength ≥3000N	EN ISO 10545-4	Minimum 35 Individual Minimum 32	43.3 39.6 ~ 47.0
Breaking Strength, in N	EN ISO 10545-4	≥1300	2213
Resistance to Deep Abrasion	EN ISO 10545-7	Report Abrasion Class Report Cycles Passed	Class 3 1500
Thermal Shock Resistance	EN ISO 10545-9	Pass	Fully Resistant
Stain Resistance A) Green Staining agent in light oil B) Red Staining agent in light oil C) Iodine, 13g/L solution in Alcohol D) Olive Oil	 EN ISO 10545-14 EN ISO 10545-14 EN ISO 10545-14 EN ISO 10545-14	 Minimum Class 3 Minimum Class 3 Minimum Class 3 Minimum Class 3	 Class 5 Class 5 Class 5 Class 5
Chemical Resistance A) Household Chemicals; Ammonium chloride, 100g/ B) Swimming pool Salts: Sodium Hypochlorite, 20mg/L	 EN ISO 10545-13 EN ISO 10545-13	 Class Minimum B Class Minimum B	 GA (V) GA(V)
Resistance to low concentrations of acids and alkalis A) Hydrochloric Acid solution, 3% (v/v) B) Citric Acid solution, 100g/L C) Potassium hydroxide, 30g/L	 EN ISO 10545-13 EN ISO 10545-13 EN ISO 10545-13	 Declared Value Declared Value Declared Value	 GLA (V) GLA (V) GLA (V)
Slip Resistance	DIN 51130	Declared Value	α ges:10.3°, Classification: R10
Crazing Resistance : Glazed Tiles	EN ISO 10545-11	Pass	Fully Resistant
Reaction to Fire	CWT	Class A1 or $A1_{FL}$	Class $A1_{FL}$