

HAYEK HEX

Technical Data Sheet	
Range	HAYEK
Material	PORCELAIN
Sizes	14CM X16CM
Finish	MATT
Thickness	9 MM
Use: WALL/FLOOR	FLOOR AND WALL

Technical Characteristics	Industry Standard	Requirement	Actual Value
Dimension and Surface Quality			
Length and width	UNI EN ISO 10545-2	0.60%	0.20%
Thickness	UNI EN ISO 10545-2	+ or - 5%	3.00%
Edge straightness	UNI EN ISO 10545-2	+ or - 50%	0.02%
Orthogonity (squareness)	UNI EN ISO 10545-2	+ or - 50%	0.02%
Planarity (flatness)	UNI EN ISO 10545-2	+ or - 50%	0.02%
Appearance		> or - 95%	

Product Quality and Durability			
Water absorption	UNI EN ISO 10545-3	< or - 0.5%	< 0,5%
Modulus of rupture (bending strength)	UNI EN ISO 10545-4	> or - 35 N/mm ²	
Breaking strength	UNI EN ISO 10545-4	> or - 1300 N	
Resistane to surface abrasion	UNI EN ISO 10545-7	PEI	IV
Thermal shock resistance	UNI EN ISO 10545-9	Test method available	RESIST
Crazing resistance	UNI EN ISO 10545-11	Test method available	RESIST
Frost resistance	UNI EN ISO 10545-12	No alteration to surface	RESIST
Chemical resistance -Low Concentrations of Acids and Alkaline	UNI EN ISO 10545-13		
	UNI EN ISO 10545-13	No visible signs to surface	GHA
Chemical resistance - Domestic Chemicals	UNI EN ISO 10545-14	GB min,	GHA
Stain resistance - Domestic Chemicals	UNI EN ISO 10545-14	Min Class 3	5

SLIP RESISTANCE: Areas with footwear	UNI EN ISO 10545-17 (DIN51130)	R9 from 3 to 10 degrees	
		R10 over 10 to 19 degrees	R10
		R11 over 19 to 27 degrees	
		R12 over 27 to 35 degrees	
		R13 over 35 degrees	

Additional info required for 2cm thick tiles			
Breaking Strength	EN180 10545-4		
Bending Strength	EN180 10545-4		
Point Load	EN 12825		
Resistance to Abrasion	EN180 10545-6		

