

MODEL	SERPICO
NOMINAL SIZE	30 x 60 (rectified)
THICKNESS	9,5 mm
PRODUCT	Gres Porcellanato Tiles
SURFACE	Glazed, lapato
GROUP	BIa
REF. STANDARD	ISO 13006 / EN 14411

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	NASCO SPECIFICATION
Surface Quality	BS EN ISO 10545-2	min. 95% of tiles free from visible defects	min. 95% of tiles free from visible defects
Length & Width	BS EN ISO 10545-2	± 0.6 %	± 0.2 %
Thickness	BS EN ISO 10545-2	± 5.0 %	± 5.0 %
Straightness of Sides	BS EN ISO 10545-2	± 0.5 %	± 0.25 %
Rectangularity	BS EN ISO 10545-2	± 0.5 %	± 0.25 %
Surface Flatness: Center Curvature	BS EN ISO 10545-2	± 0.5 %	± 0.3 %
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	± 0.5 %	± 0.3 %
Surface Flatness: Warpage	BS EN ISO 10545-2	± 0.5 %	± 0.3 %
Water Absorption	BS EN ISO 10545-3	≤ 0.5 %	≤ 0.4 %
Breaking Strength	BS EN ISO 10545-4	≥ 1300 N	≥ 2200 N
Modulus of Rupture	BS EN ISO 10545-4	≥ 35 N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>
Resistance to Surface Abrasion	BS EN ISO 10545-7	Stated by manufacturer	PEI Class 4
Coefficient of Linear Thermal Expansion	BS EN ISO 10545-8	Test method available	≤ 7 X 10 <sup>-6</sup> /°C
Resistance to Thermal Shock	BS EN ISO 10545-9	Test method available	No visible defect
Crazing Resistance	BS EN ISO 10545-11	Required	No crazing
Frost Resistance	BS EN ISO 10545-12	Required	No visible damage
Resistance to household chemicals & swimming pool salts	BS EN ISO 10545-13	Minimum Class GB	Class GA No visible effect
Resistance to low concentrations of acids and alkalis	BS EN ISO 10545-13	Stated by manufacturer	Class GLA No visible effect
Resistance to Stains	BS EN ISO 10545-14	Minimum Class 3	Min. Class 4 Stains removed
Shade Variation	ANSI A137.1-2012	-	V3
Static Coefficient of Friction (dry)	ASTM C1028	Test method available	> 0,6
Static Coefficient of Friction (wet)	ASTM C1028	Test method available	> 0,6
Slip Resistance (ramp test)	DIN 51130	-	R 10

<b>MODEL</b>	<b>SERPICO</b>
NOMINAL SIZE	30 x 60 (rectified)
THICKNESS	9,5 mm
PRODUCT	Gres Porcellanato Tiles
SURFACE	Glazed, relief
GROUP	B1a
REF. STANDARD	ISO 13006 / EN 14411

<b>TEST DESCRIPTION</b>	<b>STANDARD TEST METHOD</b>	<b>STANDARD REQUIREMENTS</b>	<b>NASCO SPECIFICATION</b>
Surface Quality	BS EN ISO 10545-2	min. 95% of tiles free from visible defects	min. 95% of tiles free from visible defects
Length & Width	BS EN ISO 10545-2	± 0.6 %	± 0.15 %
Thickness	BS EN ISO 10545-2	± 5.0 %	± 5.0 %
Straightness of Sides	BS EN ISO 10545-2	± 0.5 %	± 0.2 %
Rectangularity	BS EN ISO 10545-2	± 0.5 %	± 0.2 %
Surface Flatness: Center Curvature	BS EN ISO 10545-2	± 0.5 %	± 0.25 %
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	± 0.5 %	± 0.25 %
Surface Flatness: Warpage	BS EN ISO 10545-2	± 0.5 %	± 0.25 %
Water Absorption	BS EN ISO 10545-3	≤ 0.5 %	≤ 0.4 %
Breaking Strength	BS EN ISO 10545-4	≥ 1300 N	≥ 2000 N
Modulus of Rupture	BS EN ISO 10545-4	≥ 35 N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>
Resistance to Surface Abrasion	BS EN ISO 10545-7	Stated by manufacturer	PEI Class 4
Coefficient of Linear Thermal Expansion	BS EN ISO 10545-8	Test method available	≤ 7 X 10 <sup>-6</sup> /°C
Resistance to Thermal Shock	BS EN ISO 10545-9	Test method available	No visible defect
Crazing Resistance	BS EN ISO 10545-11	Required	No crazing
Frost Resistance	BS EN ISO 10545-12	Required	No visible damage
Resistance to household chemicals & swimming pool salts	BS EN ISO 10545-13	Minimum Class GB	Class GA No visible effect
Resistance to low concentrations of acids and alkalis	BS EN ISO 10545-13	Stated by manufacturer	Class GLA No visible effect
Resistance to Stains	BS EN ISO 10545-14	Minimum Class 3	Class 4 Stains removed
Shade Variation	ANSI A137.1-2012	-	V3
Static Coefficient of Friction (dry)	ASTM C1028	Test method available	> 0,6
Static Coefficient of Friction (wet)	ASTM C1028	Test method available	> 0,6
Slip Resistance (ramp test)	DIN 51130	-	R 11 B

MODEL	SERPICO
NOMINAL SIZE	30 x 60 (rectified)
THICKNESS	9,5 mm
PRODUCT	Gres Porcellanato Tiles
SURFACE	Glazed, matt
GROUP	BIa
REF. STANDARD	ISO 13006 / EN 14411

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	NASCO SPECIFICATION
Surface Quality	BS EN ISO 10545-2	min. 95% of tiles free from visible defects	min. 95% of tiles free from visible defects
Length & Width	BS EN ISO 10545-2	± 0.6 %	± 0.1 %
Thickness	BS EN ISO 10545-2	± 5.0 %	± 5.0 %
Straightness of Sides	BS EN ISO 10545-2	± 0.5 %	± 0.2 %
Rectangularity	BS EN ISO 10545-2	± 0.5 %	± 0.2 %
Surface Flatness: Center Curvature	BS EN ISO 10545-2	± 0.5 %	± 0.2 %
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	± 0.5 %	± 0.2 %
Surface Flatness: Warpage	BS EN ISO 10545-2	± 0.5 %	± 0.2 %
Water Absorption	BS EN ISO 10545-3	≤ 0.5 %	≤ 0.4 %
Breaking Strength	BS EN ISO 10545-4	≥ 1300 N	≥ 2200 N
Modulus of Rupture	BS EN ISO 10545-4	≥ 35 N/mm <sup>2</sup>	≥ 40 N/mm <sup>2</sup>
Resistance to Surface Abrasion	BS EN ISO 10545-7	Stated by manufacturer	PEI Class 4
Coefficient of Linear Thermal Expansion	BS EN ISO 10545-8	Test method available	≤ 7 X 10 <sup>-6</sup> /°C
Resistance to Thermal Shock	BS EN ISO 10545-9	Test method available	No visible defect
Crazing Resistance	BS EN ISO 10545-11	Required	No crazing
Frost Resistance	BS EN ISO 10545-12	Required	No visible damage
Resistance to household chemicals & swimming pool salts	BS EN ISO 10545-13	Minimum Class GB	Class GA No visible effect
Resistance to low concentrations of acids and alkalis	BS EN ISO 10545-13	Stated by manufacturer	Class GLA No visible effect
Resistance to Stains	BS EN ISO 10545-14	Minimum Class 3	Class 5 Stains removed
Shade Variation	ANSI A137.1-2012	-	V3
Static Coefficient of Friction (dry)	ASTM C1028	Test method available	> 0,6
Static Coefficient of Friction (wet)	ASTM C1028	Test method available	> 0,6
Slip Resistance (ramp test)	DIN 51130	-	R 10 C