

Name of Sample	MVG1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782	Shade	V2
Spacer	3mm	Nominal Size	7.5cm x 7.5cm
Size	312x391mm	Thickness	6 mm
m²/box	1.59	pcs/box	13 sheets
Surface	GL (Glazed)	Class	B1la
Typology	Ceramic Floor Tile	Manufacturing Size	75.8x75.8mm
Edge Finish	Bold	Manufacturing Process	Wet Ceramic Process

Characteristics	Method	Specification	Results
Indoor dry residential floors	Manufacturer's Recommendation	According to Manufacturer's Criteria	WWS WFA
Indoor light commercial floors, including the areas FIR			
Indoor medium commercial floors, including the areas FLC and FIR			
Indoor heavy commercial floors, including the areas FMC, FLC, FIR			
Indoor dry residential and commercial walls			
Indoor wet residential and commercial floors			
Indoor and outdoor, wet or dry, residential and commercial walls, including the areas WID. For regions reaching below freezing temperatures, non frost resistant tiles are indoor only.			
Swimming pool interior walls, including the areas WRC and WID			
External facades, including the areas WRC and WID			
Floor - Very Heavy Outdoor Commercial and Outdoor Residential			
Floor - Light to Heavy Outdoor Commercial and Outdoor Residential			
Floor - Ramp Very Heavy Outdoor Commercial and Outdoor Residential			
Floor - Ramp Light to Heavy Outdoor Commercial and Outdoor Residential			

Characteristics		Method	Specification	Results
Deviation of W/N:	W - Work size (mm) N - Nominal Size (mm)	ISO 10545-2	ISO 13006: ± 1,50	± 1,50
Deviation of r/W:	r - Average tile size (mm) W - Work size (mm)	ISO 10545-2	ISO 13006: ± 0,90	± 0,90
Rectangularity:	Deviation from W (mm)	ISO 10545-2	ISO 13006: ± 0,80	± 0,80
Straightness of sides:	Deviation from W (mm)	ISO 10545-2	ISO 13006: ± 0,80	± 0,80
Edge curvature:	Deviation from W (mm)	ISO 10545-2	ISO 13006: ± 0,80	± 0,80
Central Curve	Deviation in relation to dW (mm)	ISO 10545-2	ISO 13006: ± 0,80	± 0,80
Warping:	Deviation in relation to dW (mm)	ISO 10545-2	ISO 13006: ± 0,80	± 0,80
e/eW deviation:	e - Average thickness of a piece (mm) eW - Manufacturing thickness (mm)	ISO 10545-2	ISO 13006: 5,50 - 6,50	5,50 - 6,50
Visual Analysis:	Surface Quality (%)	ISO 10545-2	ISO 13006: ≥ 95	≥ 95
Water Absorption:	(%)	ISO 10545-3	ISO 13006: > 3,0 E ≤ 6,0	≤ 6,00
Breaking Load:	(N)	ISO 10545-4	ISO 13006: ≥ 600	≥ 600
Modulus of Rupture:	(MPa)	ISO 10545-4	ISO 13006: ≥ 22	≥ 32
Expansion by Moisture:	(mm/m)	ISO 10545-10	ISO 13006: ≤ 0,6	≤ 0,3
Cracking Resistance:	(Cycles)	ISO 10545-11	ISO 13006:1	3
Stain Resistance				
Penetrating Agent	Chrome Green (40% in oil)	ISO 10545-14	ISO 13006: ≥ Class 3	Class 5
Layer Forming Agent	Olive Oil	ISO 10545-14	ISO 13006: ≥ Class 3	Class 5
Oxidizing Agent	Alcoholic Iodine	ISO 10545-14	ISO 13006: ≥ Class 3	Class 5
Chemical Resistance				
Household product	Ammonium Chloride 100g/L	ISO 10545-13	ISO 13006: ≥ GB	GA
Pool water treatment	Sodium hypochlorite 20mg	ISO 10545-13	ISO 13006: ≥ GB	GA
Low concentration alkali	Potassium Hydroxide 30g / L	ISO 10545-13	ISO 13006: to be declared	GLA
Low concentration acid	Chloridric acid 3% (v/v)	ISO 10545-13	ISO 13006: to be declared	GLA
Low concentration acid	Citric Acid 100g/L	ISO 10545-13	ISO 13006: to be declared	GLA
Solar absorptance - α*		NBR 15575 - 3-	NBR 15575:to be declared	0.6 - 0.7
Solar Reflectance - ρ*		NBR 15575 - 3-	NBR 15575:to be declared	0.4 - 0.3
Solar Emittance - ε*		NBR 15575 - 3-	NBR 15575:to be declared	0.75 - 0.85
Solar Reflectance Index - SRI H=5 (W/m2K)*		NBR 15575 - 3-	NBR 15575:to declared	65 - 40
Moisture Resistance		NBR 15575 - 3-	NBR 15575:to be declared	Resistant
Useful life: (years)		NBR 15575 - 3-	NBR 15575: 13	13
Flammability		NBR 15575 - 3-	NBR 15575:Class 1	Class 1

NOTE:

Check if the product is suitable for the intended use. When it has the WFA use specification, it can be used in facade, provided that its indication is included in the constructive and executive project, which is the responsibility of the designer, according to the ABNT NBR 13755 standard. The characteristics defined by the performance standard ABNT NBR 15575 are only applicable to residential areas and are directly related to the performance of the installed product. Therefore, the statements are valid when the installation guidelines described by the manufacturer are followed. *According to information in the ANFACER sectorial performance manual.