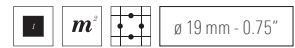


PENNY VANGUARD



SUITABILITY AREA PRODUCT & COMPOSITION GUIDE

Wall	Floor	Wet areas	Pools	Material
Int / Ext	Residential / No ¹	Yes	Yes	Glass

¹ Iridis Products


TECHNICAL CHARACTERISTICS

Test UNE-EN-ISO 10545-3 Water Absorption	Test UNE-EN-ISO-101-92=101 Surface hardness. Mohs	Test UNE-EN-ISO 10545-9 Resistance to thermal shocks	Test UNE-EN-ISO 10545-12 Frost resistance	Test UNE-EN-ISO 10545-13:1998 Resistance to chemical attack			
				Domestic products	Pool water additives	Low acid and alkalins	High acid and alkalins
None	4	Resistant	Resistant	GA	GA	GLA	GHA
Test UNE-EN-ISO 10545-14 Resistance to staining	Test UNE-EN-ISO 10545-11=1997 Cracking	DIN 51094 Colour Stability on exposure to light and UV rays	DCOF Wet Dynamic Coefficient of Friction ANSI A 137.1 Standard	DIN 51130:2004 SLIP Resistance wearing shoes	DIN 51097 SLIP Resistance in bare feet	Test UNE-ENV 12633:2003 (CTE) Anti skid coefficient, suitable for outdoor use and swimming pools.	
Class 5	Resistant	Resistant					


PACKING

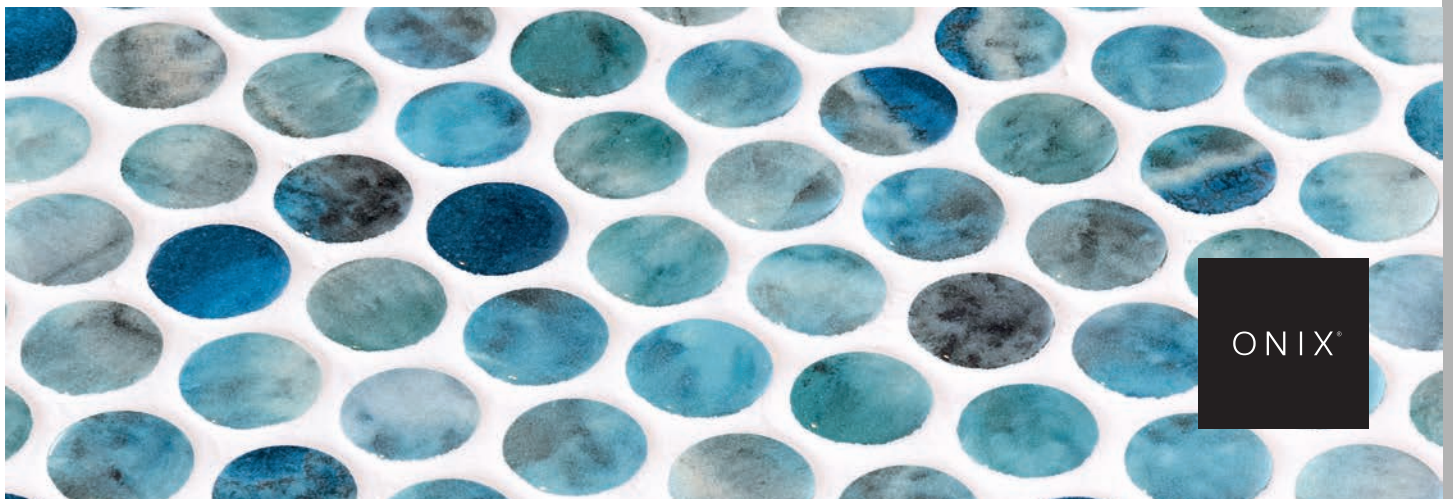
Sheet Hoja	5,5 mm - 0.216" Thickness	287x284 mm - 11.29"x11.18"	0,8 kg - 1.76 lb
Box Caja	12 Sheets	0,98 m ² - 10.54 sqft	9,4 kg - 20.72 lb
Pallet Palet	99 Boxes	97,02 m ² - 1,044.31 sqft	940,9 kg - 2,074.32 lb
Euro Pallet Euro Palet	54 Boxes	52,82 m ² - 568.54 sqft	529,4 kg - 1,167.12 lb

All ONIX 98 % recycled glass mosaics series are made of molten glass. Molten glass characteristics may include irregular edges and small variations in size. These characteristics are inherent to the product and to the standard production. The small size and shape variations can affect the grout joint appearance and enhance the natural aspect of these products.

 Green / Sustainable Products

 98% Recycled Glass

 Made in Spain



ONIX