

TECHNICAL DATA SHEET SIMPLYCERAM[®]

1. **Manufacturer**

Simply Systems
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2. **PRODUCT DESCRIPTION**

Simplyceram is a system of porcelain composite countertops, islands, wall panels and doors that feature a polymeric core for easy transformation and installation. It is intended for indoor, residential use.

Composition		
Product	Weight (%)	Volume (%)
Porcelain	47	15
Foam	12	17
Reinforced Polyester	38	67
Adhesive	3	2

3. **TECHNICAL DATA**

Thickness	Weight
14 mm 0.55 inches	13 kg/m ² 2.6 lb/ft ²
24 mm 0.94 inches	18 kg/m ² 3.7 lb/ft ²
44 mm 1.73 inches	18 kg/m ² 3.7 lb/ft ²
Dimensional Tolerance:	+/- 2mm 1/64 inches

CORE: A unique material, Policore, made of HPe and reinforced polyester resin, moisture resistant, anti-fungi and anti-bacteria, easy to clean and suitable for recycling and energy recovery.

SIMPLYCORE BODY			
Property	Standard	Unit	Value
Heat Distortion Temperature	DIN 53424	°C	110
Service Temperature	-	°C	-180 +90
Thermal Conductivity	ASTM C-177	W/m°K	0,4
Bending Resistance	EN 14125	MPa	101
Barcol Hardness	EN 59	-	30-40
Water Absorption	ISO 2896	%	1

EDGES: Semi-rigid PP, free of Barium and Cadmium Stabilizers, Good chemical resistance to wine, beer, gooseberry, oxygenated water, mercurochrome, and bleach.

EDGES			
Properties	Standard	Unit	Value
Wear	ISO 7784 -2	Rotations	80
Shore D Hardness	ISO 868	-	75
Water Absorption	ISO 62	%	<1
Heat Distortion Temperature	ISO 306	°C	82
Rupture Modulus	ISO 527-3	MPa	30

SURFACE: Ceramic, good resistance to chemical agents like hydrochloric acid, citric acid, potassium hydroxide, ammonium chloride, sodium hypochlorite, iodine solution and olive oil.

PORCELAIN			
Properties	Standard	Unit	Value
Fire Reaction	EN 13501-1	-	A2-s1,d0
Resistance to Thermal Shock	EN 10545-9	-	Resistant
Rupture Modulus	EN 10545-4	N/mm ²	>50
Deep Abrasion Resistance	EN 10545-6	mm ³	<175
Impact Resistance - Resitution	EN 10545-5	e	0,7
Color Resistance to Light Exposure	DIN 51094	-	Resistant
Moisture Expansion	EN 10545-10	mm/lm	0
Water Absorption	EN 10545-3	%	0,1

4. WARRANTY – 10 YEARS AGAINST MANUFACTURING DEFECTS

Disclaimer: Data and information reported have been carefully analyzed. Simply Systems reserves the right to change the information of Technical Data Sheet any time due to developments and change in the material. Simply Systems does not have any kind of control over its final use beyond the indicated.

Simplyceram Technical Data
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