

PORCEKO MAGNORA TECHNICAL DATA SHEET			
CHARACTERISTIC	STANDARD AS PER IS 15622:2017 Gr.Bla	METHOD OF TESTING	PORCEKO MAGNORA VALUE
REGULATORY PROPERTIES			
Deviation in Length	±0.10 %	IS 13630-1:2019	± 0.01 %
Deviation in Width	±0.10 %	IS 13630-1:2019	± 0.02 %
Deviation in Thickness	±5.0 %	IS 13630-1:2019	± 1.4%
Straightness in Side	±0.10 %	IS 13630-1:2019	± 0.02 %
Rectangularity	±0.10 %	IS 13630-1:2019	± 0.04 %
Surface Flatness Central Curvature	±0.50 %	IS 13630-1:2019	± 0.02 %
Surface Flatness Edge Curvature	±0.50 %	IS 13630-1:2019	± 0.07 %
Surface Flatness Warpage	±0.50 %	IS 13630-1:2019	± 0.04 %
Surface Quality	>95% defects free	IS 13630-1:2019	>95% defect-free
STRUCTURAL PROPERTIES			
Water Absorption	≤0.080 %	IS 13630-2:2019	≤0.0202 %
Bulk Density	Min. 2.20 g/cc	IS 13630-2:2019	> 2.30 g/cc
MECHANICAL PROPERTIES			
Modulus of Rupture	Min. 35.0 N/mm²	IS 13630-6:2019	Min. 48.31 N/mm²
Breaking Strength Thickness ≥7.5 mm	Min. 1300.0 N	IS 13630-6:2019	Min. 2287.07 N
SURFACE TECHNICAL PROPERTIES			
Mohs Hardness	Min. 5	IS 13630-13:2019	ULTRA GLEAM - Min. Class 5 OPTIGLOSS - Min. Class 5 RADIANT OPTIGLOSS - Min. Class 5 BALANCE - Min. Class 5 CRESTAMATTÈ® - Min. Class 8 NATURALE - Min. Class 6
Surface Abrasion Resistance (PEI)	Min. Class II	IS 13630 -11:2019	ULTRA GLEAM - Min. Class III OPTIGLOSS - Min. Class II RADIANT OPTIGLOSS - Min. Class II BALANCE - Min. Class IV CRESTAMATTÈ® - Min. Class IV NATURALE - Min. Class IV
THERMAL PROPERTIES			
Moisture Expansion	Max. 0.02 mm/m	IS 13630-3:2019	Max. 0.009 mm/m
Thermal Expansion (COE) at 100°C	Max. 6.0 x 10-6	IS 13630-4:2019	Max. 2.75 x 10-6
Thermal Shock Resistance	Min. 10 Cycle	IS 13630-5:2019	Min. 10 Cycles
Impact Resistance (COR)	Min. 0.55	IS 13630-14:2019	Min. 0.78
Frost Resistance	As per Manufacturer	IS 13630-10:2019	Frost Proof
Crazing Resistance at 7.5 bar	4 Cycle	IS 13630-9:2019	4 Cycles
CHEMICAL PROPERTIES			
Resistance to Staining, Glazed	Min. Class 1	IS 13630-8:2019	Min. Class 1
Resistance to Household Chemicals & Swimming Pool Salts, Glazed	Min. Class AA	IS 13630-8:2019	Min. Class AA
Resistance to Low Concentrate Acid and Alkalis, Glazed	As per Manufacturer	IS 13630-8:2019	Min. Class AA
Resistance to High Concentrate Acid and Alkalis, Glazed	As per Manufacturer	IS 13630-8:2019	Min. Class AA
SAFETY PROPERTIES			
Slip Resistance -PTV	As per Manufacturer	EN 16165:2021 ANNEX C	ULTRA GLEAM - P1 OPTIGLOSS - P1 RADIANT OPTIGLOSS - P1 BALANCE - P1 CRESTAMATTÈ® - P2 NATURALE - P1

#BALANCE Surface : A refined, delicate surface recommended exclusively for wall applications. Not recommended for flooring.