SILESTONE®
by COSENTINO

TECHNICAL DATA SHEETS

SILESTONE®

Families A - B - C - D

All the data collected in this document are based on tests carried out in independent external laboratories.

Manufacturer's name and place of production:
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SILESTONE® TECHNICAL DATA SHEETS According to Standards EN-15285 & EN-15286

Familiy A: Alpina White, Alphina White 18, Azul Ugarit, Azul Ugarit 12, Bamboo, Bamboo08, Blanco Maple, Blanco Maple14, Kona Beige, Kona Beige 12, Mountain Mist, Mountain Mist 12, Sienna Ridge, Sienna Ridge 12, Sierra Madre, Sierra Madre 12, White Diamond, White Platinum

Family B: Aluminio Nube, Amazon, Arctic, Arden Blue, Bianco River, Blanco Capri, Blanco City, Blanco Maple Orna, Blanco Matrix, Blanco Norte, Blanco Norte 14, Brooklyn, Camden, Carbono, Calypso, Cemento Spa, Charcoal Soapstone, Chrome, Copper Mist, Coral Clay, Crema Minerva, Crema Minerva16, Cygnus , Cygnus15, Daria, Desert Silver, Doradus, Doradus13, Et Emperador, Et Marfil(*), Et Marquina(*), Et Noir(*), Et Serena(*), Forest Snow, Gris Expo, Haiku, Helix, Iconic Black(*), Iron Bark, Iron Ore, Kensho, Kimbler Mist, Lagoon, Laugar, Luna, Luna14, Lyra, Marengo(*), Merope, Moonstone, Negro Anubis, Negro Tebas, Negro Tebas18, Niebla, Noka, Nymbus, Ocean Jasper, Oceam Storm, Pacifica, Pietra, Polaris, Pulsar, Quasar, Riverbed, Rosso Monza, Rougui, Royal Reef, Tigris Sand, Unsui, Urban Frost, Verde Fun, Vortium, White Storm, White Storm14, Yukon

Family C: Altair, Altair15, Ariel, Bianco Calacatta, Blanco Orion, Blanco Zeus, Classic Calacatta, Classic White(*), Creamstone, Et Bella, Et Calacatta Gold, Et D'or, Et Statuario, Iconic White(*), Lusso, Miami Vena, Miami White, Miami White17, Pearl Jasmine, Silken Pearl, Silver Lake, Snow Ibiza, White Arabesque

Family D: Stellar Blanco, Stellar Blanco 13, Stellar Cream, Stellar Eros, Stellar Grey, Stellar Negro(*)

(*) With N-BOOST technology

Standard test	Determination	Unit	Family A	Family B	Family C	Family D
Water absorption, densities EN 14617-1	Apparent density	kg/m^3	2453	2287	2133	2364
	Water absorption	%	≤ 0.05 W_4	≤ 0.05 W_4	≤ 0.05 W_4	≤ 0.05 W_4
Flexural strength EN 14617-2	Flexural strength	MPa	≥ 25 F_3	≥ 40 F_4	≥ 65 F_4	≥ 25 F_3
Resistance to impact EN 14617-9	Resistance to impact	cm / J	28.5 / 2.8	66 / 6.5	151 / ≥14.8	25 / 2.4
Resistance to abrasion EN 14617-4	Resistance to abrasion	mm	≤ 29 A_4	26.5 A_4	≤ 29 A_4	29 A_4
Slip resistance (polish) EN 14231	USRV wet	-	8	8	5	11
	USRV dry	-	46	43	37	64
Slip resistance (suede) EN 14231	USRV wet	-	10	9	10	N/A
	USRV dry	-	44	40	40	N/A
Thermal shock resistance EN 14617-6	Change in dinamic elastic mod.	%	13	2	-3.1	-2.3
	Change in mass	%	-0.01	0.0	0.0	0.0
Electric resistivity EN 14617-13	Volume	TΩ*m (1000V)	9.3	19.7	400	0.93
	Surface	TΩ*m (1000V)	18.7	670	790	183
Thermal conductivity EN 10456	Thermal conductivity	W/m · K	1.3	1.3	1.3	1.3
Thermal expansión coefficient EN 14617-11	Thermal expansión coefficient	$x10^{-6}C^{-1}$	29	34	45	27
Fire reaction EN 13501-1	Fire reaction	-	$A2_{fl}$,s1 / A2,s2,d0	$A2_{fl}$,s1 / A2,s2,d0	$A2_{fl}$,s1 / A2,s2,d0	$A2_{fl}$,s1 / A2,s2,d0
Adherence for cementitious adhesives based on EN 1348	Initial adhesion	N/mm^2	3.5	3.5	3.5	3.5
	Standard deviation	N/mm^2	0.20	0.20	0.20	0.20