

 Polished  
Porcelain

800x800 mm  
AMAZON SERIES



**8001**



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



**8002**



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



**8012**



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE



**8013**



95%  
REFLECTION



FORMIDABLE  
STRENGTH



WATER  
REPELLENT



STAIN  
RESISTANT



MAINTENANCE  
FREE

## Some Guidance About Commonly Affected Stains

SR. No.	SUBSTANCE	NANO TREATED SURFACE	REGULAR SURFACE
<b>A. DOMESTIC AREA</b>			
1.	GREEN VEGETABLE STAIN	WET COTTON CLOTH	MILD DETERGENT
2.	FRUITS STAIN	WET COTTON CLOTH	MILD DETERGENT
3.	DAL- SAMBER	WET COTTON CLOTH	CITRIC ACID / NIMBBU
4.	CURRY	WET COTTON CLOTH	CITRIC ACID / NIMBBU
5.	TOMATO SAUCE	WET COTTON CLOTH	CITRIC ACID / NIMBBU
6.	SOYA SAUCE	WET COTTON CLOTH	MILD DETERGENT/CITRIC ACID / NIMBBU
7.	EDIBLE OIL	WET COTTON CLOTH	BAKING SODA / MILD DETERGENT / ACETONE / TURPENTINE
8.	SINDUR- OIL MIX	WET COTTON CLOTH	BAKING SODA / MILD DETERGENT / ACETONE / TURPENTINE
9.	GHEE	WET COTTON CLOTH	BAKING SODA / MILD DETERGENT/ACETONE / TURPENTINE
10.	TEA	WET COTTON CLOTH	MILD DETERGENT / HOUSE HOLD CLEANER
11.	COFFEE	WET COTTON CLOTH	MILD DETERGENT / HOUSE HOLD CLEANER
12.	COLD DRINKS	WET COTTON CLOTH	MILD DETERGENT
13.	WAX	WET COTTON CLOTH	PAINT REMOVER
14.	LEAD PENCIL	WET COTTON CLOTH	PLAIN WATER / HYDROCHLORIC ACID
15.	NORMAL COLOR PENCIL	WET COTTON CLOTH	HOUSE HOLD DETERGENT
16.	WAX PENCIL	WET COTTON CLOTH	PAINT REMOVER
17.	WATER COLOR	WET COTTON CLOTH	PLAIN WATER
18.	MARKER	WET COTTON CLOTH	DILUTE SULPHURIC ACID
19.	NAIL POLISH	NEIL POLISH REMOVER	NAIL POLISH REMOVER
20.	SHOE POLISH LIQUID STAIN	WET COTTON CLOTH	HOUSE HOLD DETERGENT
21.	CHERRY SHOE POLISH	WET COTTON CLOTH	WET COTTON CLOTH
22.	HAIR DYE	DILUTE NITRIC ACID	DILUTE NITRIC ACID
23.	MEHENDI	DILUTE HYDROCHLORIC ACID	DILUTE HYDROCHLORIC ACID
24.	LIPSTICK	WET COTTON CLOTH	HYDROGEN PEROXIDE /HOUSE HOLD CLEANER
25.	INK	WET COTTON CLOTH	ACETONE / TURPENTINE / TRICHLOROETHYLENE
<b>B. HOTEL / FAST FOOD / CAFÉ HOUSE ETC.</b>			
1.	DAL	WET COTTON CLOTH	CITRIC ACID / NIMBBU
2.	CURRY	WET COTTON CLOTH	CITRIC ACID / NIMBBU
3.	TURMERIC	WET COTTON CLOTH	MILD DETERGENT
4.	CHILLY	WET COTTON CLOTH	MILD DETERGENT
5.	GHEE	WET COTTON CLOTH	BAKING SODA / MILD DETERGENT / ACETONE / TURPENTINE
6.	EDIBLE OIL	WET COTTON CLOTH	BACKING SODA / MILD DETERGENT / ACETONE / TURPENTINE
7.	PICKLE	WET COTTON CLOTH	CITRIC ACID / NIMBBU
8.	TOMATO SAUCE	WET COTTON CLOTH	CITRIC ACID / NIMBBU
9.	CHILLY SAUCE	WET COTTON CLOTH	BACKING SODA/ MILD DETERGENT
10.	SOYA SAUCE	WET COTTON CLOTH	MILD DETERGENT/CITRIC ACID / NIMBBU
11.	COLD DRINKS	WET COTTON CLOTH	MILD DETERGENT
12.	FRUIT STAIN	WET COTTON CLOTH	MILD DETERGENT
13.	WINE / ALCOHOL	WET COTTON CLOTH	MILD DETERGENT
14.	TEA	WET COTTON CLOTH	MILD DETERGENT / HOUSE HOLD CLEANER
15.	COFFEE	WET COTTON CLOTH	MILD DETERGENT / HOUSE HOLD CLEANER
16.	ICE CREAM	WET COTTON CLOTH	MILD DETERGENT / HOUSE HOLD CLEANER
17.	CIGARETTE END	WET COTTON CLOTH	HYDROCHLORIC ACID
<b>C. MISCELLANEOUS PLACE</b>			
1.	PAINTS	WET COTTON CLOTH	PAINT REMOVER / METHYL ETHYL KETONE / TOLUENE
2.	EPOXY / RESIN	WET COTTON CLOTH	TRICHLOROETHYLENE / DICHLORO METHANE
3.	GLUE	WET COTTON CLOTH	ACETONE / TURPENTINE
4.	RUST	WET COTTON CLOTH	HYDROCHLORIC ACID
5.	TAR	WET COTTON CLOTH	TRICHLOROETHYLENE / METHYL ETHYL KETONE
6.	TYRE MARK	WET COTTON CLOTH	METHYL ETHYL KETONE
7.	CEMENT	WET COTTON CLOTH	HYDROCHLORIC ACID
8.	BLOOD	WET COTTON CLOTH	DILUTE NITRIC ACID
9.	GREASE	WET COTTON CLOTH	DETERGENT
10.	MOBIL OIL	WET COTTON CLOTH	DETERGENT
11.	METHELENE BLUE	WET COTTON CLOTH	PHOSPHORIC ACID / HYDROCHLORIC ACID

## SPECIFICATION OF POLISHED PORCELAIN

SR. No.	CHARACTERISTIC	STANDARD AS PER ISO-13006/EN1411 GROUP BIa	GGCL VALUE	TEST METHOD
<b>A. REGULATORY PROPERTIES</b>				
1.	DEVIATION IN LENGTH & WIDTH	±0.5%	±0.1%	ISO-10545-2
2.	DEVIATION IN THICKNESS	±5.0%	±2.0%	ISO-10545-2
3.	STRAIGHTNESS OF SIDES	±0.5%	±0.1%	ISO-10545-2
4.	RECTANGULARITY	±0.5%	±0.1%	ISO-10545-2
5.	SURFACE FLATNESS	±0.5%	±0.4%	ISO-10545-2
6.	COLOR DIFFERENCES	UNALTERED	NO CHANGE	ISO-10545-16
7.	GLOSSINESS	AS PER MANUFACTURER	MIN. 70 %	GLOSSOMETER
<b>B. STRUCTURAL PROPERTIES</b>				
8.	WATER ABSORPTION	<0.5%	<0.05%	ISO-10545-3
9.	APPARENT DENSITY	>2.0 gm/cc	>2.28 gm/cc	DIN 51082
<b>C. MASSIVE MECHANICAL PROPERTIES</b>				
10.	FLEXURAL MODULUS OF RUPTURE	MIN 35N/mm <sup>2</sup>	MIN 40N/mm <sup>2</sup>	ISO-10545-4
11.	FLEXURAL BREAKING STRENGTH	MIN 1300 N	MIN 2000 N	ISO-10545-4
12.	IMPACT RESISTANCE	AS PER MANUFACTURER	MIN 0.55	ISO-10545-5
<b>D. SURFACE MECHANICAL PROPERTIES</b>				
13.	DEEP ABRASION RESISTANCE	MAX 175mm <sup>3</sup>	MAX 132mm <sup>3</sup>	ISO-10545-6
14.	MOH'S HARDNESS	MIN 6	8*	EN101
<b>E. THERMO HYDROMETRIC PROPERTIES</b>				
15.	FROST RESISTANCE	NO DAMAGE	FROST PROOF	ISO-10545-12
16.	THERMAL SHOCK RESISTANCE	NO DAMAGE	NO DAMAGE	ISO-10545-9
17.	MOISTURE EXPANSION	NIL	NIL	ISO-10545-10
18.	THERMAL EXPANSION	MAX 9.0 x 10 <sup>-6</sup>	MAX 6.5 x 10 <sup>-6</sup>	ISO-10545-8
<b>F. CHEMICAL PROPERTIES</b>				
19.	CHEMICAL RESISTANCE	NO DAMAGE	NO DAMAGE	ISO-10545-13
20.	STAIN RESISTANCE	RESISTANT	RESISTANT	ISO-10545-14
<b>G. SAFETY PROPERTIES</b>				
21.	SLIP RESISTANCE(FRICTION CO EFFICIENT)	> 0.40	>0.40	ISO-10545-17

**24** YEARS  
1997 | 2021

**GruppoNueva**  
one group - one mind - one vision



## **GRUPO GRIFFIN CERAMICA LLP**

8-A, National Highway, Lakhadhirpur Road, Ghuntu,  
Morbi-363642, Gujrat, INDIA.

Phone Number : +91 90819 88855

E-mail: [hello@ggcl.in](mailto:hello@ggcl.in)

Web: [www.ggcl.in](http://www.ggcl.in)