



600x600 mm DOUBLE CHARGE



















































































TER STAIN LLENT RESISTANT











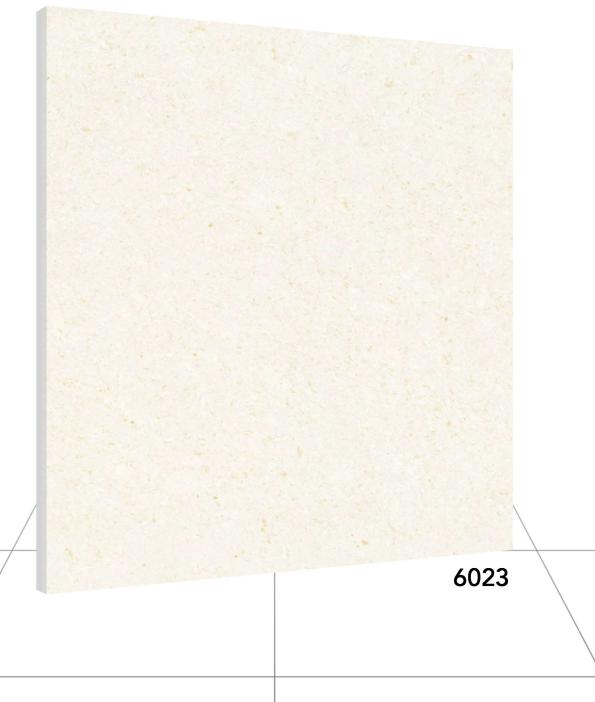
































































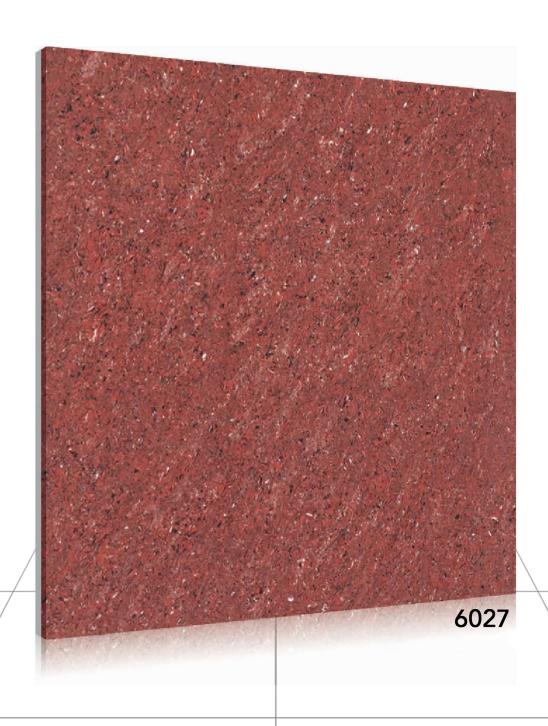
























































































































Some Guidance About Commonly Affected Stains

SR.		John Marky 7 Wilesons at		
No.	SUBSTANCE	NANO TREATED SURFACE	REGULAR SURFACE	
A.	DOMESTIC AREA			
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. 1.	HOTEL / FAST FOOD / CAI	FÉ HOUSE ETC. 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	
C.	MISCELLANEOUS PLACE			
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 PHOSPHORIC ACID / HIVEROCHI ORIC ACID	

METHELENE BLUE

WET COTTON CLOTH

PHOSPHORIC ACID / HYDROCHLORIC ACID

^{*} immediate cleaning action is the best way.

N.B.: CHEMICALS REFERENCE ARE FOR FIRST AID SUGGESTION.
FOR ANY DETAIL PLEASE CONTACT COMPANY PERSONNEL.





SPECIFICATION OF POLISHED PORCELAIN

PECIFICATION OF POLISHED PORCELAIN					
CHARACTERISTIC	STANDARD AS PER ISO-13006/EN1411 GROUP BIa	GGCL VALUE	TEST METHOD		
REGULATORY PROPERTIES					
DEVIATION IN LENGTH & WIDTH	±0.5%	±0.1%	ISO-10545-2		
DEVIATION IN THICKNESS	±5.0%	±2.0%	ISO-10545-2		
STRAIGHTNESS OF SIDES	±0.5%	±0.1%	ISO-10545-2		
RECTANGULARITY	±0.5%	±0.1%	ISO-10545-2		
SURFACE FLATNESS	±0.5%	±0.4%	ISO-10545-2		
COLOR DIFFERENCES	UNALTERED	NO CHANGE	ISO-10545-16		
GLOSSINESS	AS PER MANUFACTURER	MIN. 70 %	GLOSSOMETER		
			ISO-10545-3		
APPARENT DENSITY	>2.0 gm/cc	>2.28 gm/cc	DIN 51082		
MASSIVE MECHANICAL DEODEDTIES					
	MINI 25N/mm²	MAINI 40NI/mm²	ISO-10545-4		
		10 00 10 10 10 10 10 10 10 10 10 10 10 1	ISO-10545-4		
			ISO-10545-5		
IMPACT RESISTANCE	A3 PEN IVIANOFACIONEN	IVIIIV U.33	130-10343-3		
SURFACE MECHANICAL PROPERTIES					
DEEP ABRASION RESISTANCE	MAX 175mm ³	MAX 132mm ³	ISO-10545-6		
MOH'S HARDNESS	MIN 6	8*	EN101		
THERMO HYDROMETRIC PROPERTIES					
FROST RESISTANCE	NO DAMAGE	FROST PROOF	ISO-10545-12		
THERMAL SHOCK RESISTANCE	NO DAMAGE	NO DAMAGE	ISO-10545-9		
MOISTURE EXPANSION	NIL	NIL	ISO-10545-10		
THERMAL EXPANSION	MAX 9.0 x 10 ⁻ 6	MAX 6.5 x 10 ⁻ 6	ISO-10545-8		
CHEMICAL PROPERTIES					
CHEMICAL RESISTANCE	NO DAMAGE	NO DAMAGE	ISO-10545-13		
STAIN RESISTANCE	RESISTANT	RESISTANT	ISO-10545-14		
SAFETY PROPERTIES					
	CHARACTERISTIC REGULATORY PROPERTIES DEVIATION IN LENGTH & WIDTH DEVIATION IN THICKNESS STRAIGHTNESS OF SIDES RECTANGULARITY SURFACE FLATNESS COLOR DIFFERENCES GLOSSINESS STRUCTURAL PROPERTIES WATER ABSORPTION APPARENT DENSITY MASSIVE MECHANICAL PROPERTIES FLEXURAL MODULUS OF RUPTURE FLEXURAL BREAKING STRENGTH IMPACT RESISTANCE SURFACE MECHANICAL PROPERTIES DEEP ABRASION RESISTANCE MOH'S HARDNESS THERMO HYDROMETRIC PROPERTIES FROST RESISTANCE THERMAL SHOCK RESISTANCE MOISTURE EXPANSION THERMAL EXPANSION CHEMICAL PROPERTIES CHEMICAL RESISTANCE	CHARACTERISTIC REGULATORY PROPERTIES DEVIATION IN LENGTH & WIDTH DEVIATION IN THICKNESS STRAIGHTNESS OF SIDES RECTANGULARITY SURFACE FLATNESS GLOSSINESS TRUCTURAL PROPERTIES WATER ABSORPTION APPARENT DENSITY MASSIVE MECHANICAL PROPERTIES FLEXURAL MODULUS OF RUPTURE FLEXURAL BREAKING STRENGTH IMPACT RESISTANCE SURFACE MECHANICAL PROPERTIES DEEP ABRASION RESISTANCE MAX 175mm³ MIN 6 THERMO HYDROMETRIC PROPERTIES FROST RESISTANCE MOISTURE EXPANSION THERMAL EXPANSION NIL THERMAL EXPANSION MAX 9.0 x 10⁻6 CHEMICAL RESISTANCE NO DAMAGE TO DAMAGE STAIN RESISTANCE NO DAMAGE THERMAL EXPANSION NIL THERMAL EXPANSION NIL THERMAL EXPANSION NIL RESISTANT	CHARACTERISTIC REGULATORY PROPERTIES DEVIATION IN LENGTH & WIDTH		

Packing Details

SLIP RESISTANCE(FRICTION CO EFFICIENT)

NOMINAL SIZE OF TILE	No. OF TILES / BOX	COVERAGE AREA / BOX	THICKNESS
600X600 MM	4 pcs.	1.44 sq. mtr.	± 9.0 mm

>0.40

ISO-10545-17

NOMINAL SIZE OF TILE	No. OF TILES / BOX	COVERAGE AREA / BOX	THICKNESS
800x800 mm	3 pcs.	1.92 sq. mtr.	± 9.0 mm

NOMINAL SIZE OF TILE	No. OF TILES / BOX	COVERAGE AREA / BOX	THICKNESS
300x600 mm	6 pcs.	1.08 sq. mtr.	± 9.0 mm

Note: Colour Shown are as accurate as the limitations of the printing process will allow. Prospective customers are advised to inspect a sample of the tile before ordering. Every effort has been made to ensure the accuracy of the information given. However, the company reserve the right to change the specifications without prior notice. Sometime variations in shade or size being inherent to ceramic industry may occur. Before fixing, we advise you to follow the fixing instructions on the cartons of the tiles as no responsibility can be accepted by the company once the tiles have been fixed.



















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

Web: www.ggcl.in