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### **PRISM JOHNSON LIMITED**

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80x300 -BIG FORMAT	00
80x240 -BIG FORMAT	00
120X180 -BIG FORMAT	00
ELEGANCE HIGH END	
60X120	00
60X60	00
SOLID SURFACE (10 MM)	
60X120	00
60X60	00
SOLID SURFACE	
60X120	00
60X60	00
SOLID SURFACE (SMART)	
60X60	00
DOUBLE CHARGE	
60X120	00
80X80	00
60X60	00
OUTDOOR	
60X60	00
40X40	00
SOLUBLE SALT	
60X60	00

Colors 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 reserves the right to change the specifications without prior notice. Sometimes, variations in shade or size may occur which is inherent to the ceramic industry. Before fixing the tiles, we urge you to read and follow the fixing instructions given on the carton box of the tiles. The company will not take any responsibility and will not accept any complaints of shade, size or planarity once the tiles have been fixed.

Although every effort is made to ascertain that all the information provided in this brochure is accurate before printing, errors may still happen. Please contact the local branch office for updated information before placing orders. The information contained in this catalog is given in good faith. The Company takes no liability on account of any loss or damage either consequential or otherwise as a result of the information provided therein.



BIG FORMAT (15MM)

80x300 CM POLISHED (FB)

JOHNSON MARBONITE
PREFERRED OVER ITALIAN MARBLE

BIANCO WHITE

EBONY BLACK

ELEMENT BLACK















80x300 CM POLISHED (FB)



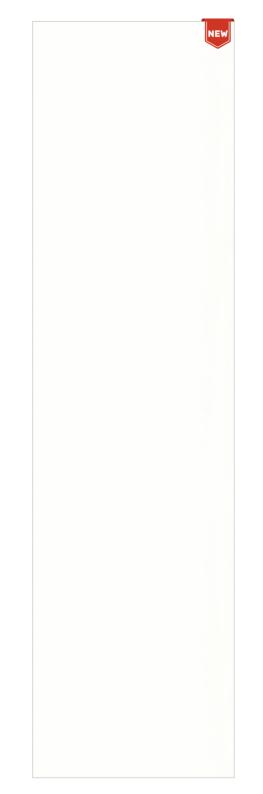
ELEMENT WHITE



NERO BLACK



SUPER WHITE







GRAPHITE GRIS (MATT)







80x300 CM | MATT (FB)

JOHNSON MARBONITE
PREFERRED OVER ITALIAN MARBLE

SPARKLE BARLEY







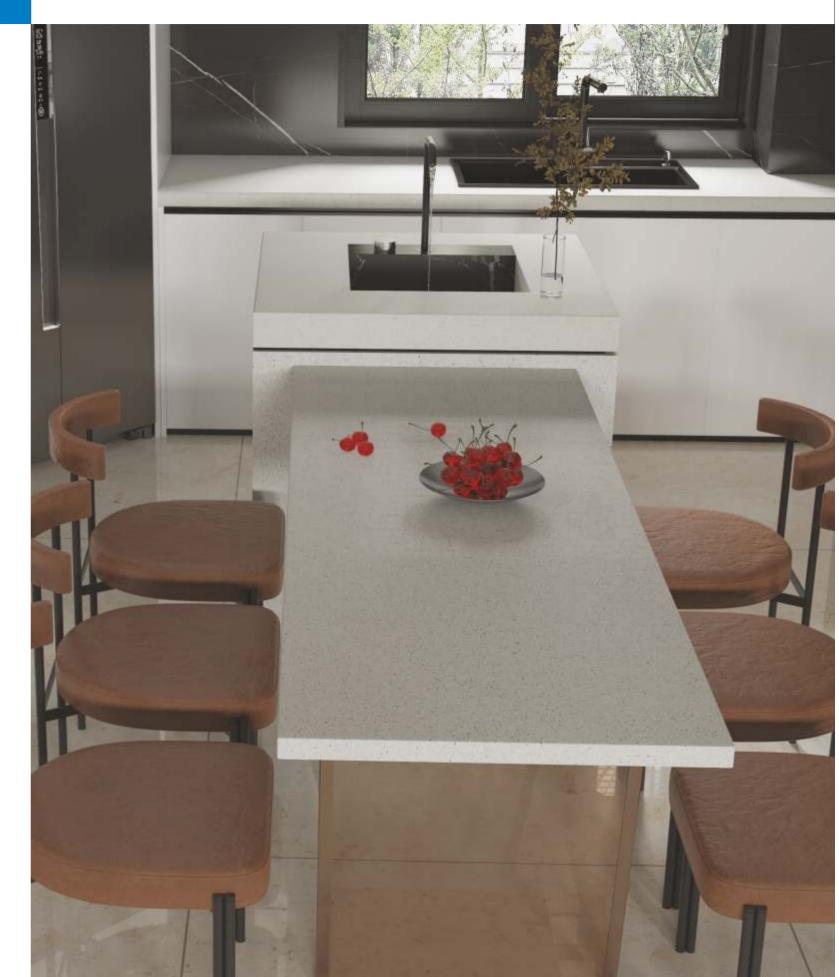
SPARKLE CREMA











360° View



# 80 X 240 CM

80x240 CM POLISHED (FB)

MONOLITH TERAZO WHITE



EBONY BLACK







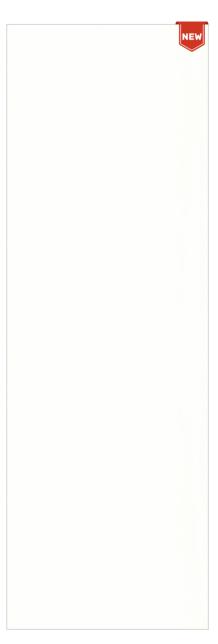














00



(FB)

ELEMENT BLACK

GRAPHITE GRIS





POLISHED



POLISHED





ELEMENT WHITE



ROYAL GRIS









80x240 CM MATT/POLISHED JOHNSON MARBONITE

PREFERRED OVER ITALIAN MARBLE

(FB)

ROYAL MUSHROOM

ROYAL IVORY





POLISHED



ROYAL VERDE





SPARKLE BARLEY









SPARKLE CREMA

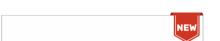


SPARKLE WHITE





BIANCO WHITE



FUSION BLACK A



FUSION BLACK B



FUSION WHITE A



FUSION WHITE B



00

GREEN LAIDER F1\*













<u>00</u>





MARBLE CALCUTTA ORO\*



MARBLE MARQUINA\*



<u>00</u>

NERO BLACK



360° View

STATUARIO ICE\*







80x240 CM MATT (DSB)

JOHNSON MARBONITE
PREFERRED OVER ITALIAN MARBLE

MARBLE CALCUTTA NATURAL























# 120 X 180 CM

120x180 CM POLISHED (DSB)



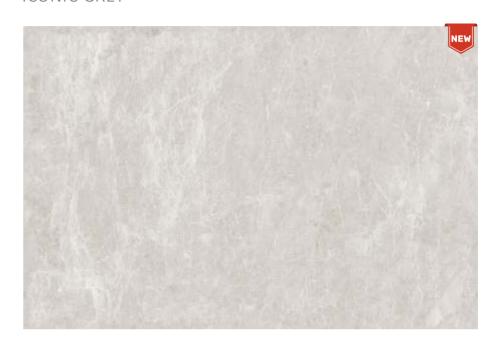
### BLISS WHITE







### ICONIC GREY







### CLOUDY CREMA











### MAJESTIC WHITE







### NOVA MARFIL







### MIRAZE NATURALA







### SMOKE WHITE



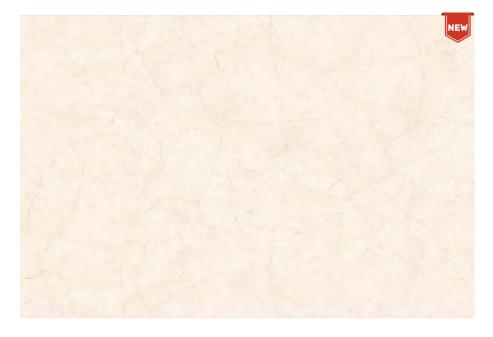




120x180 CM POLISHED (DSB)



### TOLSTOY IVORY







### VENICE GREY







### TRAVERTINO BEIGE







### VIETNAM WHITE











### ELEGANCE ALMOND







### ELEGANCE FOSSIL





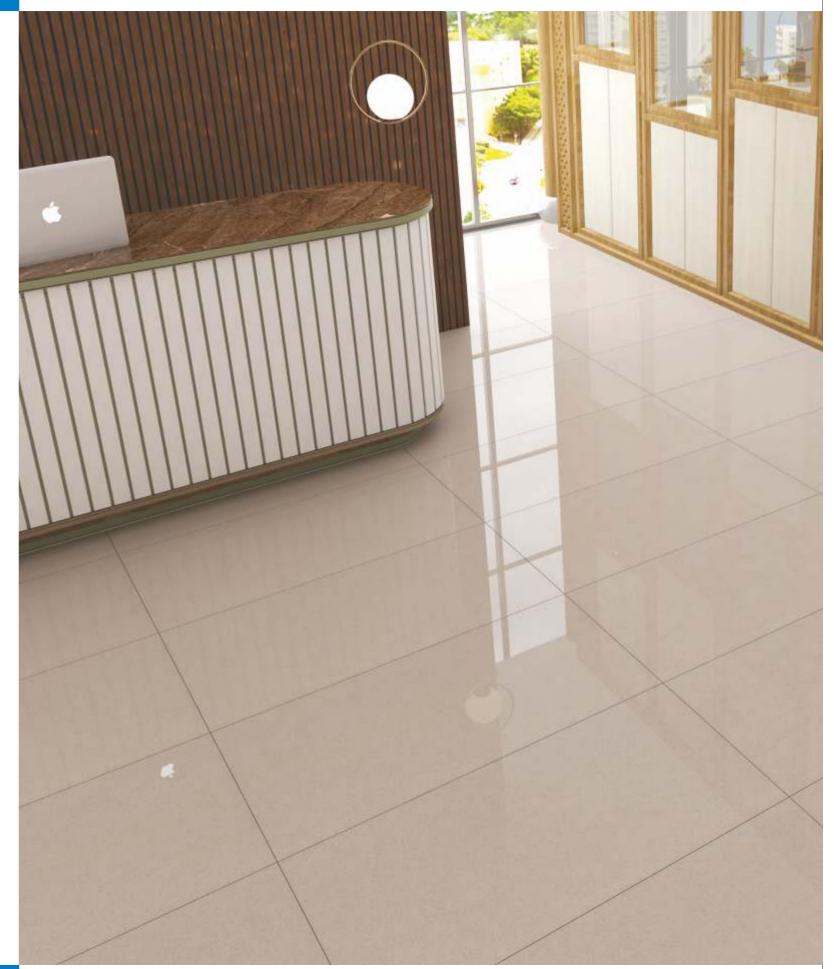


### ELEGANCE LIGHT GREY









# JOHNSONMARBONITE PREFERRED OVER ITALIAN MARBLE

### ELEGANCE NERO





### ELEGANCE PINK





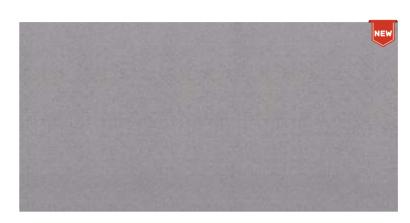


### ELEGANCE PISTA





### ELEGANCE STEEL GREY







### ELEGANCE WHITE







### 60x60 CM

### MATT/POLISHED

# JOHNSON MARBONITE PREFERRED OVER ITALIAN MARBLE

### ELEGANCE AQUA









ELEGANCE BIANCO







ELEGANCE OLIVE







ELEGANCE COFFEE





ELEGANCE MUSHROOM







### ELEGANCE BRICK







ELEGANCE NERO













60x120 CM | MATT (10 MM) (FB)



LIGHT GREY











### S&P CREMA



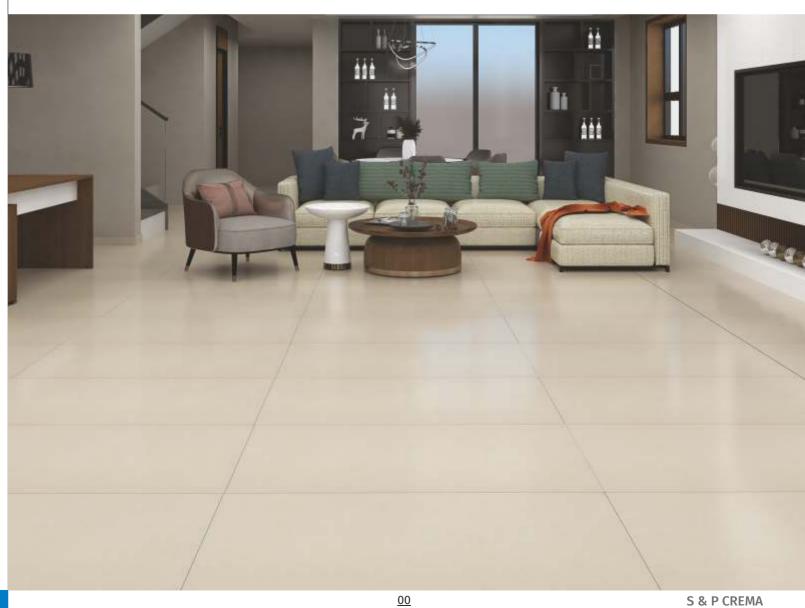


### S&P IVORY









60x120 CM | MATT (10 MM) (FB)



### S&P PASTEL BROWN







### S&P SILVER







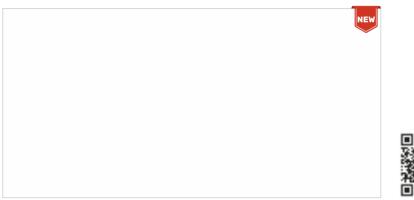
### S&P SNOW







### SUPER WHITE







### VANTA BLACK







### VERDE







60x60 CM MATT (10 MM) (FB)



LIGHT GREY





S&P BLACK







S&P CREMA







S&P FOSSIL







S&P IVORY





S&P PASTEL BROWN







60x60 CM MATT (10 MM) (FB)



S&P SILVER













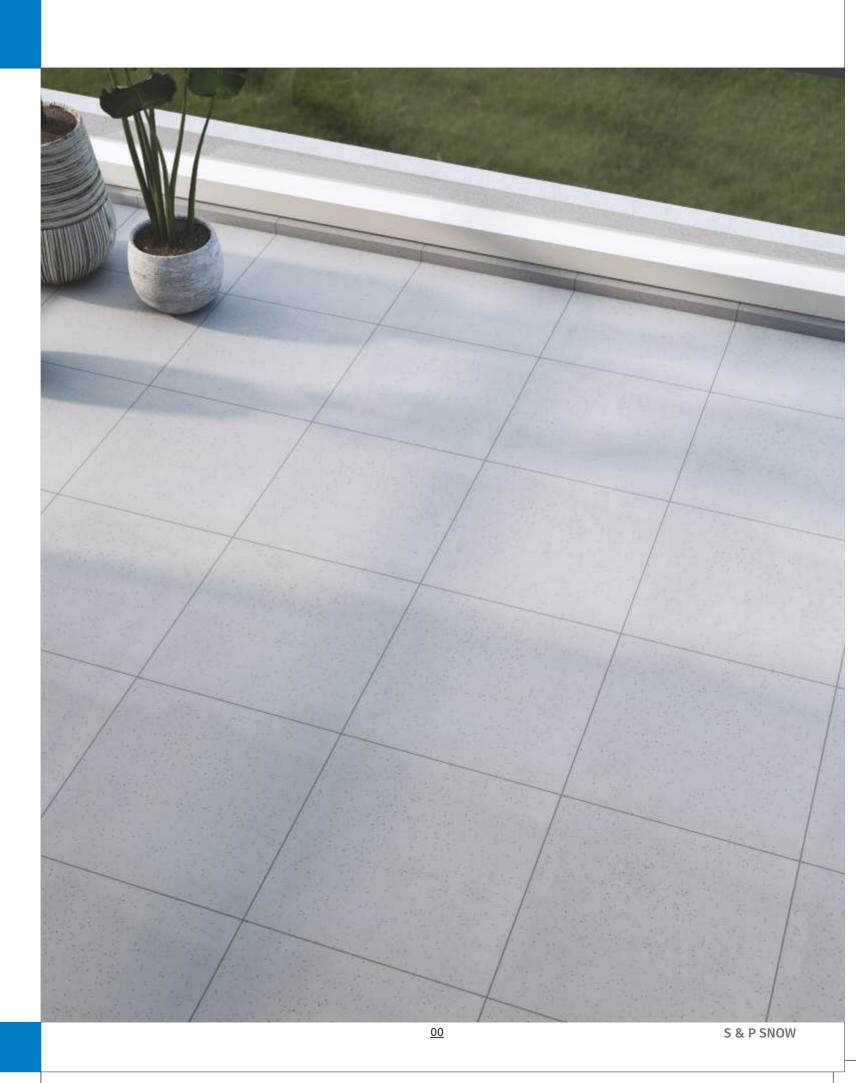


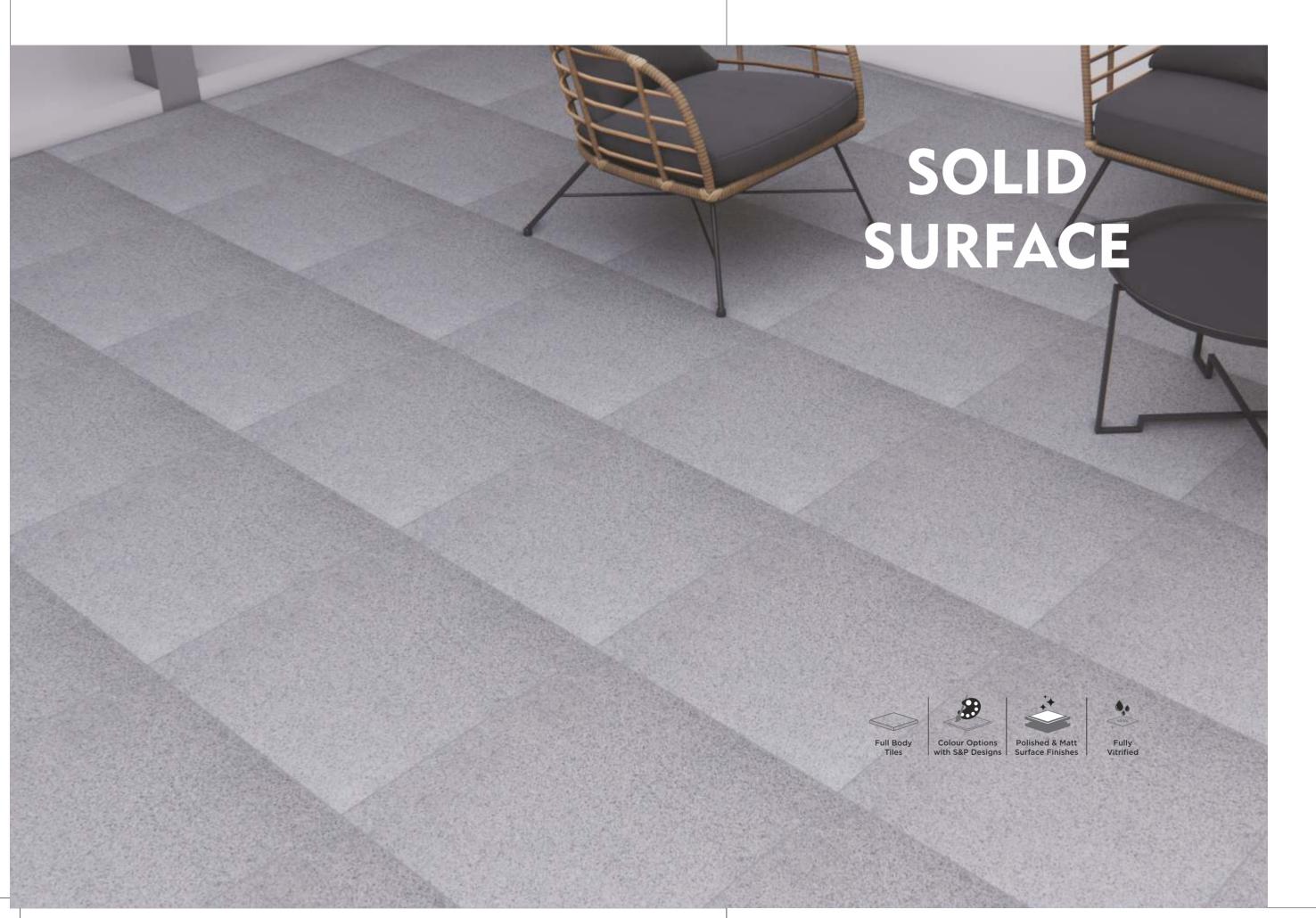
VERDE











60x120 CM MATT/POLISHED (FB)



S&P GREY (POLISHED) •







LIGHT GREY







S&P BLACK









## 60x120 CM MATT/POLISHED (FB)



### S&P CREMA









S&P IVORY









S&P PASTEL BROWN







### S&P SILVER









S&P SNOW







### SPARKLE WHITE •



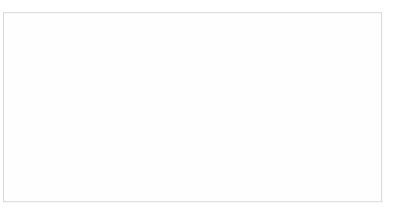




60x120 CM MATT/POLISHED (FB)

JOHNSON MARBONITE
PREFERRED OVER ITALIAN MARBLE

SUPER WHITE









VANTA BLACK







VERDE









MTO



60x60 CM POLISHED (FB)

JOHNSON MARBONITE
PREFERRED OVER ITALIAN MARBLE

LIGHT GREY





S&P BLACK







S&P CREMA







S&P FOSSIL







S&P IVORY







S&P PASTEL BROWN









60x60 CM POLISHED (FB)



S&P SILVER













PLATINA S&P IVORY (MATT)







PLATINA S&P SPARKLE (MATT)







VERDE







PLATINA S&P CREMA (MATT/POLISHED)





PLATINA S&P WHITE (MATT/POLISHED)







60x60 CM RUSTIC (FB)



PLAIN CREMA





PLAIN LT GREY







PLAIN VERDE







S & P FOSSIL







S & P NERO







S & P SNOW









SOLID SURFACE (SMART)

60x60 CM POLISHED (FB)

JOHNSON MARBONITE
PREFERRED OVER ITALIAN MARBLE

PASTEL ALMOND







PASTEL BLACK







PASTEL BLUE















PASTEL GREEN





S & P SNOW









SOLID SURFACE (SMART)

60x60 CM POLISHED (FB)



S&P DARK GREY







S&P GREEN CHILLY







S&P LIGHT GREY







S&P RED CHILLY







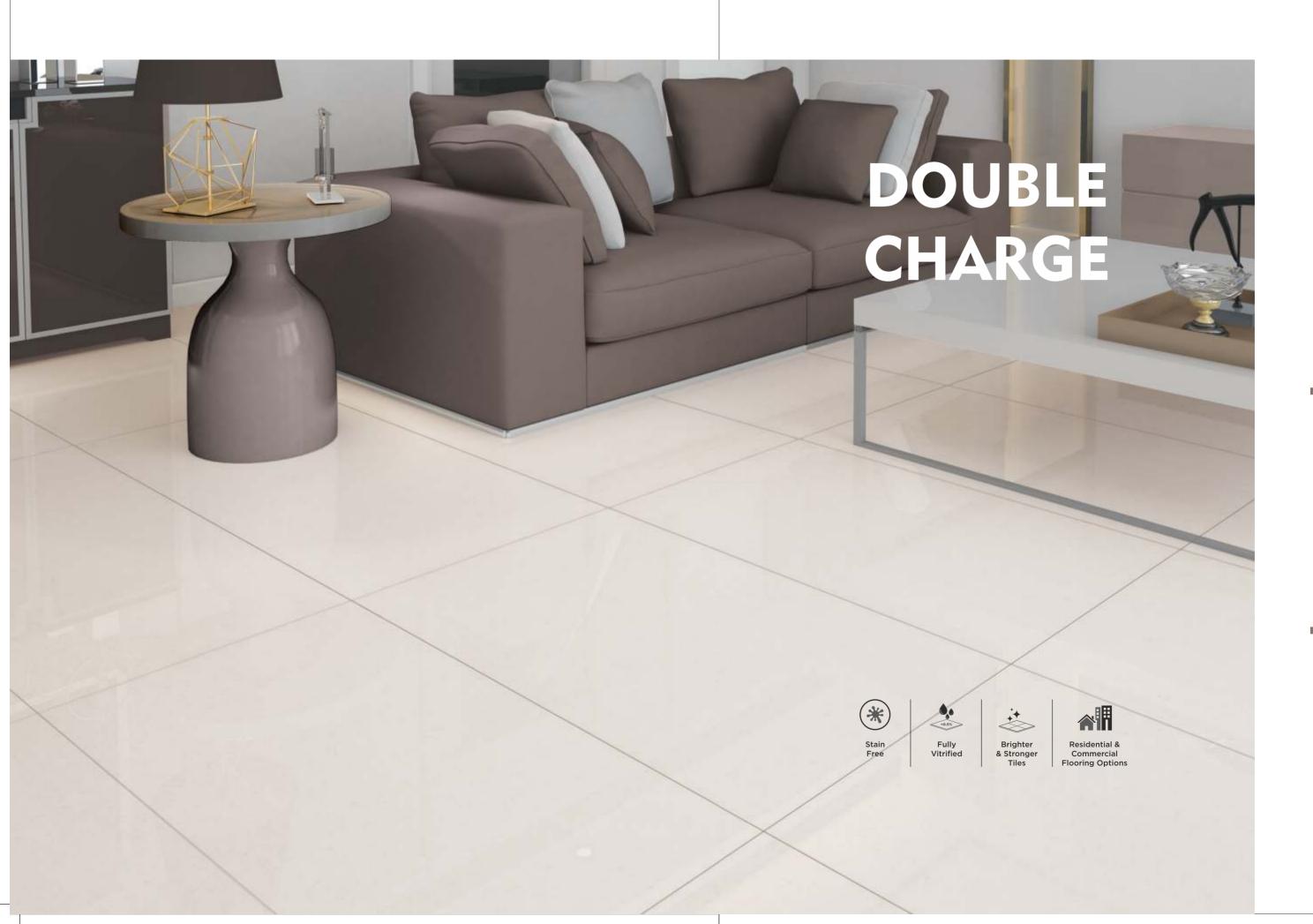
S&P SAND







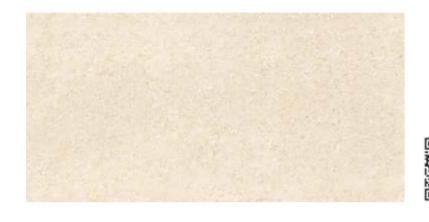






#### ALBIZA BEIGE

DOUBLE CHARGE







#### ALBIZA GREY







#### ALBIZA NATURA











#### ALBIZA NERO

ALBIZA ROSO

**DOUBLE CHARGE** 













#### ALBIZA WHITE





#### ALMAZE BROWN







#### ALMAZE CREMA







#### ALMAZE SLATE









#### ALMAZE WHITE

DOUBLE **CHARGE** 







#### ALTIS CREMA







#### ALTIS WHITE







#### ALTIS BLACK







#### ALTIS NERO







#### ANGLO CARAMEL









#### ANGLO GOLD

**DOUBLE CHARGE** 







#### ANGLO MINT







#### ANGLO WHITE







#### DRAGON AQUA







#### DRAGON CREMA







#### DRAGON ROSE







60x120 CM POLISHED



#### DRAGON WHITE







#### FLORAL BUTTERSCOTCH





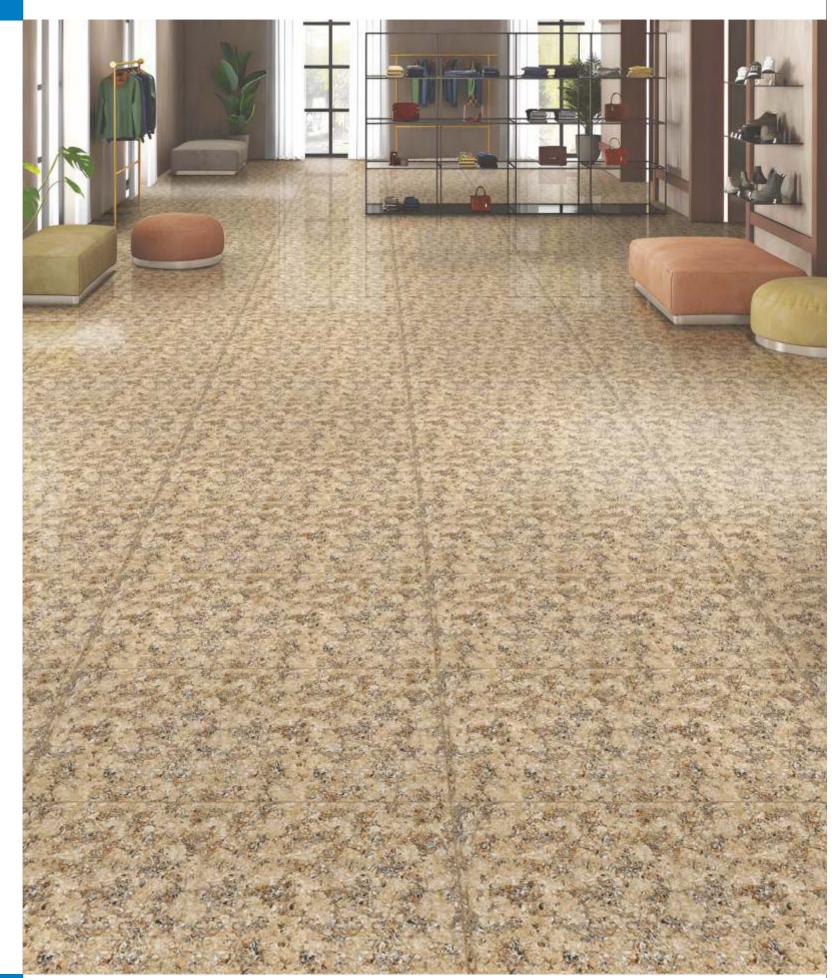


#### FLORAL CREMA











#### FLORAL FOREST

DOUBLE CHARGE







#### FLORAL GREY







#### FLORAL WHITE





#### NERON SNOW







#### PERLIN AZUL







#### PERLIN BROWN •









#### PERLIN CREMA

DOUBLE CHARGE







#### PERLIN GOLD







#### PERLIN NERO •







#### PERLIN OLIVE •







#### PERLIN PINK







#### PERLIN SLATE









#### PERLIN WHITE

DOUBLE CHARGE



#### PRISM ALEXA WHITE

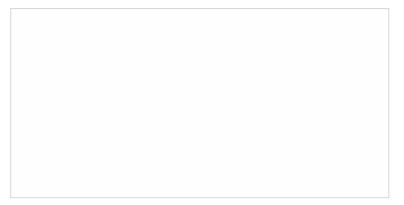
PRISM FLOW WHITE







#### PRISM PLAIN WHITE







#### TORINO AQUA







#### TORINO ASH







# JOHNSON MARBONITE PREFERRED OVER ITALIAN MARBLE

### TORINO BEIGE



#### TORINO BIANCO







#### TORINO MAPLE





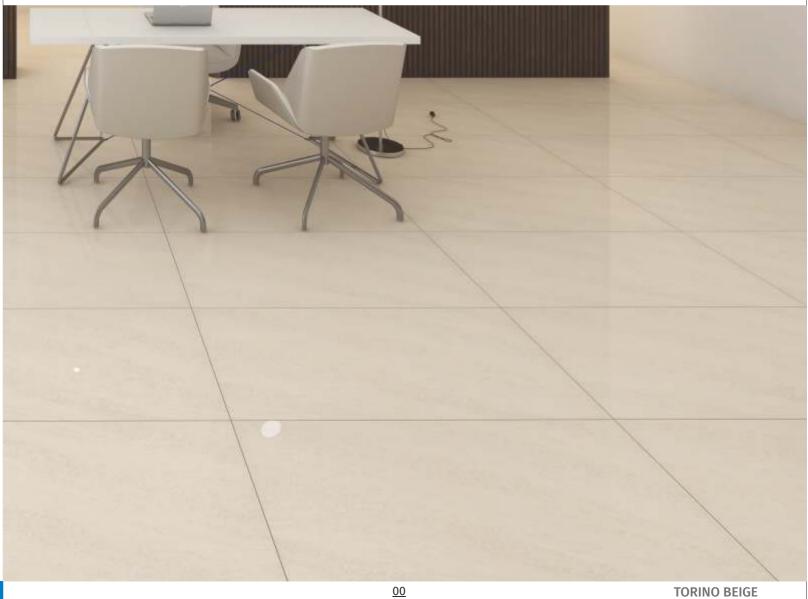


### TORINO ROSE











ALBANO LEMON •



ALBANO ROSSEL •





SPIDER WHITE





ALBANO WHITE













PEARL WHITE •











**DOUBLE** CHARGE

60x60 CM

POLISHED



ALBITO ALMOND





ALBITO BASIL







ALBITO BLACK







ALBITO COFFEE







ALBITO FOSSIL



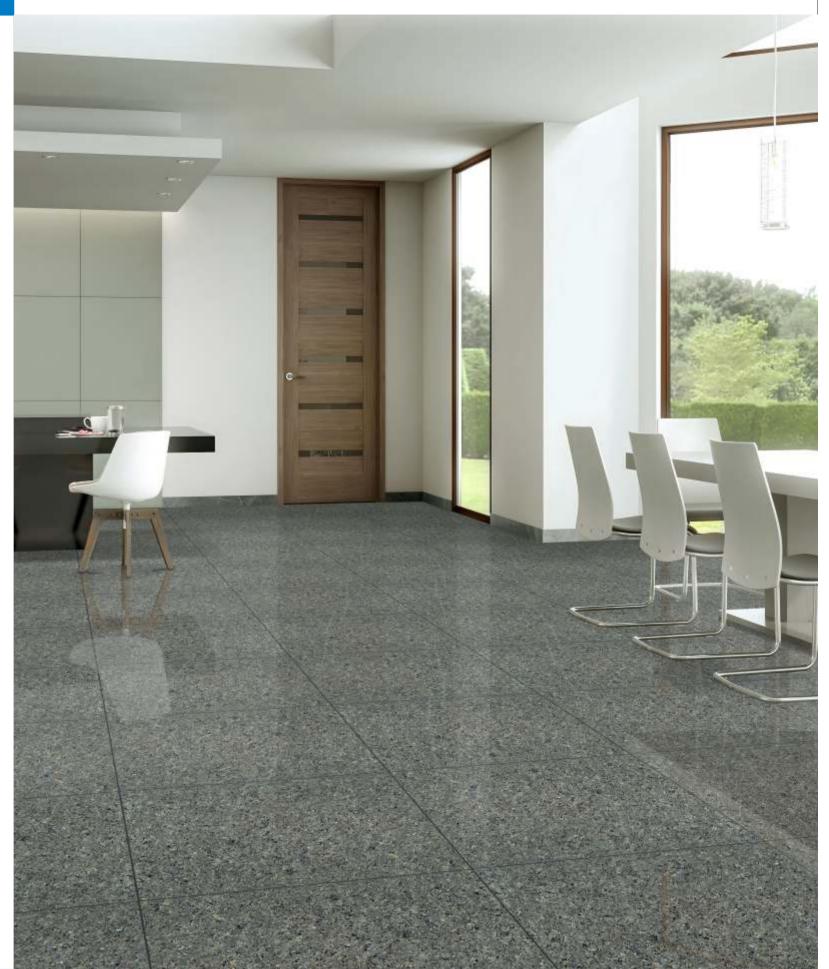


ALBITO GARNET











ALBITO HAZEL •





ALBITO LATTE







ALBITO PEACH •







ALBITO ROSSEL







ALBITO LEMON LT







ALBITO MIST







ALBITO WHITE





ANGLO CARAMEL







ALBITO NATURA



ALBITO NERO





ANGLO MINT





ARNAVA CREMA





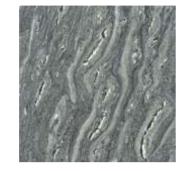


ARNAVA NERO





ARNAVA OLIVE







ELENTA SERENITY SNOW





ELENTA SICILIA CREMA







ARNAVA PINK







ARNAVA ROSSEL







FLORAL BUTTERSCOTCH







FLORAL CREMA







ARNAVA VERDE







ARNAVA WHITE



FLORAL FOREST







FLORAL GREY







## **DOUBLE** CHARGE

## 60x60 CM

POLISHED



FLORAL WHITE













GENNEY LAVA







GENNEY NERO







**GENNEY PINK** 





**GENNEY SNOW** 











GENNEY VERDE





NERON GOLD







PERLIN NERO







PERLIN OLIVE







NERON VERDE







PERLIN AZUL •







PERLIN VERDE •







POLO GREEN







PERLIN BROWN









PERLIN CREMA •



POLO GREY





POLO LEMON

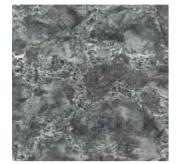








POLO SLATE





PRISM ALEXA WHITE







UNIQUE CREMA





UNIQUE WHITE







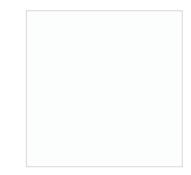
PRISM FLOW WHITE







PRISM PLAIN WHITE







ANTARTIC WHITE (MW)







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SICILIA WHITE







SNOW WHITE







**OUTDOOR** 

60x60 CM MATT

PARKING









BRICKS GREY







CUBICS BRONZE







METTALIC BRONZE







#### NATURAL BRICKS







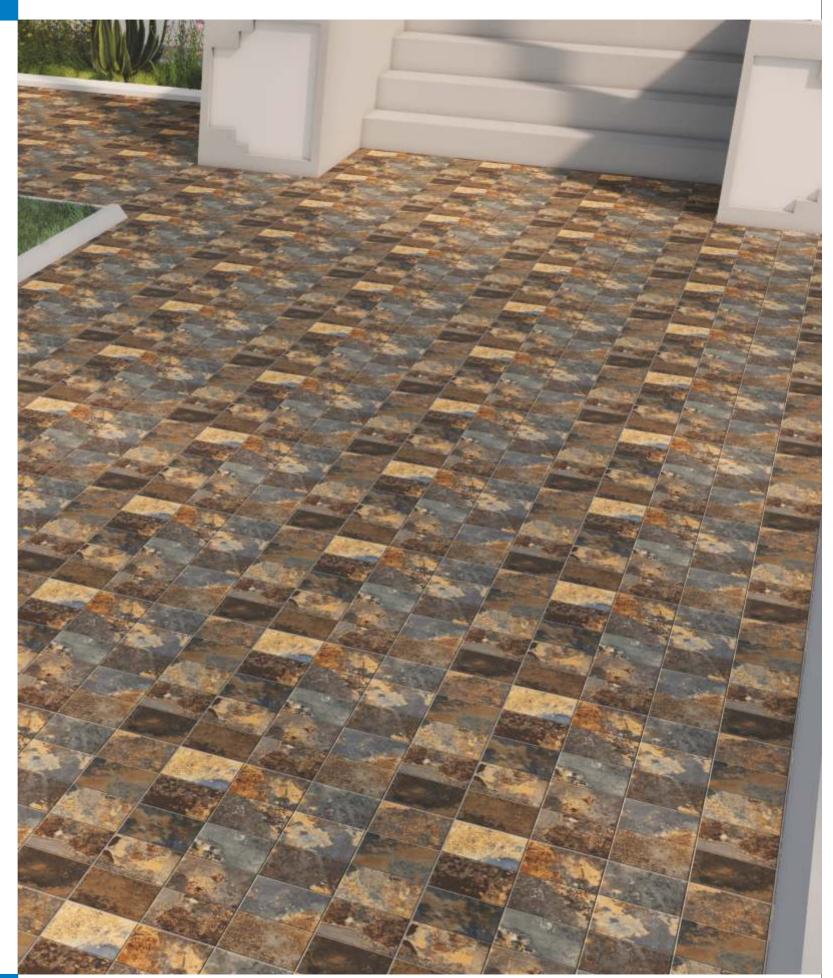
#### NATURAL STONE BRICKS







# JOHNSON MARBONITE PREFERRED OVER ITALIAN MARBLE



60x60 CM MATT

PARKING

# JOHNSON MARBONITE PREFERRED OVER ITALIAN MARBLE

PROTON COTTO





PROTON COTTO HL







SAND GREY







SAND GRIS







PROTON IVORY







SAND BEIGE







SAND WHITE







SHELL GREY







SAND COTTO





SAND CREMA







SHELL NATURAL







SMOKE GREY







60x60 CM MATT

PARKING

# JOHNSON MARBONITE PREFERRED OVER ITALIAN MARBLE

SMOKE GREY HL





SMOKE OFFWHITE







TAURUS GRIS







TAURUS METTALIC







SMOKE OFFWHITE HL





TAURUS CREMA







TAURUS METTALIC HL







URBANO COTTO







TAURUS CREMA HL





TAURUS GRIS HL







**URBANO GREY** 







**OUTDOOR** 

# 40x40 CM POLISHED

## (PARKING)

BALSA WOOD







CLASSICO BROWN\*







CLASSICO COFFEE\* •







CLASSICO GREY\*







CLASSICO PEACH\*









CLASSICO SILVER\*







CROSS BLUE •







CROSS ICE







CROSS SMOKE







CUBICS GRASS









#### POLISHED 40x40 CM (PARKING)



**CUBICS GREY** 













GEO BEIGE















# GEO GRIS





#### GEO PATTERN BROWN •









#### GEO PATTERN GREY







#### IMPERIAL BLUE



IMPERIAL BIEGE







#### LINEAR GREY







# MATRIX ALMOND







MATRIX BEIGE







#### MATRIX BROWN







MATRIX GRAPHITE







MAZE BLUE







#### MOROCCON CUBICS LEAF





PEBBLES COFFEE







# 40x40 CM POLISHED (PARKING)



PEBBLES GRASS





PEBBLES NERO







**RUG GREY** 







**RUG SILVER** 





PEBBLES NTATO







QUAD ALTIS







SAVIO LEAF GRIS







SAVIO LEAF PISTACHIO





QUAD BIEGE •









ROCK BEIGE





STONE BROWN







STONE COTTO





ROCK CREMA •









**RUG COTTO** 





STONE GREY





TERRAZO GRIS







ANDROMEDA





APRICENA







ASTORIA







AVEO







CLARA





CREMA ATHOS











DEKOVEN





ELENTRA





TUSCANIA





VENEER







EMILIO





IVORY







ANDROMEDA (TR) - MATT





IVORY (TR) - MATT







ROSARIO







STYRA



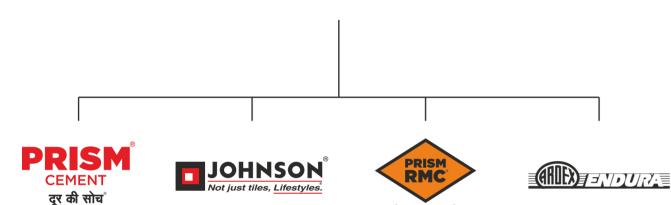


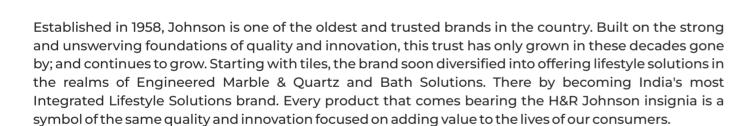


# A journey from tiles to lifestyles - measured in square feet

H&R Johnson (India) is a division of Prism Johnson Limited, one of India's foremost Integrated Building Materials conglomerates.

## **PRISM JOHNSON LIMITED**





# Pioneering Innovations, A Way of Life

At H&R Johnson the term innovation is at the heart of everything we do. That's why it is backed by credible research. Every product attempts to fill in a void left by conventional offerings in the category, in an innovative manner. It's this value we place on cutting-edge innovation that makes us strive for more and eventually deliver more. A quality and a way of working that has redefine consumer lifestyles and expectations.

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- Anti-skid & Water-repellent Tiles for Bathrooms
- · Rectified Wall Tiles
- · Johnson Marbonite Vitrified Wall and Floor Tiles
- Joint Free Tiles

- · Large Format Slabs
- · Digitally Printed Wall & Floor Tiles
- · Germ Free Tiles & Sanitaryware
- Exterior & Industrial Flooring Solutions

### India's Most Integrated Tile Manufacturing Company





Being India's most trusted tiling brand requires that trust to be maintained in every stage of developing each and every product that bears the name of the brand. That's why at H&R Johnson, our Felspar Mines are Self-owned, the solublesaltsandinksare manufactured in-house, and even the dies and punches are made in-house. All, so that every step in the process comes with the same quality and assurance, that you expect from us.



# Manufacturing Excellence

Johnson has the most modern manufacturing units across strategic locations in India. Our manufacturing facilities employ the best technology from world leaders in tile manufacturing equipment. All our plants are ISO compliant with both 9001 and 14001 certifications as well as OHSAS 18001 certification.



#### Certifications















Johnson is India's largest tile manufacturer. It's commitment to quality, service and innovation is backed by certification from the world's leading accreditation bodies.

ISO 9001: 2015

For implementing a Quality Management System for the Manufacture and Supply of Ceramic Tiles.

ISO 45001: 2018

For implementing an Occupational Health & Safely Management System for the Manufacturing of Ceramic Tiles.

ISO 14001: 2019

For implementing an Environmental Management system for the Manufacturing of Ceramic Tiles

Certificate of Merit for Energy Conservation, Bureau of Energy Efficiency, Ministry of Power A Recognition for the efficient use of energy and its conservation.

Plant has received Safety award by National Safety Council

GreenPro is a product certification given by the Confederation of Indian Industry (CII) which signifies environmentally conscious life cycle of the production; certification for eco-friendly products that helps customers make an informed

choice towards sustainable products.

Grina

Griha council is a joint initiative of Ministry of New and Renewable Energy, GOI and The Energy and Resources Institute of implement Griha. India's national rating system for sustainable habitats

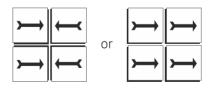
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#### Johnson Wall Tile Fixing Instructions

- 1. Plaster the surface to be tiled with a good finish and complete the rendering and curing at least two weeks prior to tiling. **DO NOT FIXTILES ON FRESH SURFACE.**
- 2. Before fixing the tiles, lay them out in the desired pattern and make sure that they give an acceptable blend of shade, colour and design. Also make sure that the tiles are acceptable to your satisfaction. Please note that certain amount of shade& size variation is inherent in all ceramic products.
- 3. The company bears no responsibility towards the tiles exposed to outside process like transfers, printing, firing etc.
- 4. For fixing these tiles, we recommend using an appropriate product from the range of tile fixing adhesives from the ARDEX ENDURA (INDIA) PVT. LTD. Please follow the adhesive manufacturer's recommendations and instructions for best results.
- 5. For fixing the setiles using sand and cement, follow the instruction given below:
  - a) Use cement and sand mortar in the ratio of 1:3. Add some water to create a consistent paste.

#### DO NOT USE NEAT CEMENT FOR FIXING TILES.

- b) Once the mixing has been completed, do not add more water and use the mixture within one hour.
- c) Soak the tiles in clean water at least 30 minutes before fixing.
- d) Remove the tiles from the water and allow them to drain to ensure that there is no film of water on the tile surface.
- e) Apply a 15-20mm layer of bedding material evenly over an area of 1 square meter at a time on the surface of the area. Apply a fine slurry to the back of the tile to ensure proper and full bedding. Press gently for even adherence at the back of the tile. **DO NOT USE AN IRON HAMMER OR SOME HEAVY MATERIAL TO PRESS THE TILE.**
- 6. Mark and lay out the tiles from the center of the area to be laid so that cut tiles, if any, will be on the outer edges towards walls.
- 7. The nominal/work size of the tile is as printed on the carton. It is advisable to maintain a gap of 1mm to 2mm between two tiles to allow for possible expansion as per ISO tolerance norms.
- 8. Wait for 24 hours after fixing the tiles. After this period, fill the joints with cementitious or epoxy grouts from ARDEX ENDURA (INDIA) PVT. LTD.
- 9. Fifteen minutes after the grouting process, wipe off the excess grout with a damp sponge and polish the tiles with a soft, dry cloth.
- 10. Please note that wall tiles are specially manufactured for use on the wall only. **DO NOT FIX WALL TILES ON THE FLOOR.**
- 11. For cleaning tiles, use a moist cloth or sponge with water or diluted soap solution. You can also use tile & stone cleaners from ARDEX ENDURA (INDIA) PVT. LTD. **DO NOT SCRUB OR SCRATCH.**
- 12. DO NOTUSE ACID/ALKALI/SOLVENT/OILS/CLEANING POWDERS ETC. FOR CLEANING TILES.
- 13. Please note: The company does not accept any liability in case of problems arising out of non-adherence to these tile fixing instructions.
- 14. THE COMPANY WILL BEAR NO RESPONSIBILITY AFTER THE TILES ARE FIXED.



NOTHING IN THESE INSTRUCTION IS A SUBSTITUTE FOR GOOD WORKMANSHIP AND SUPERVISION

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#### **TECHNICAL SPECIFICATION**

S. No	Property	ISO 13006:2018 / EN 14411 Group Bla Requirement	ndian Standard IS 15622:2017 Group Bla Requirement	JOHNSON MARBONITE (DC) Value	Test Method
	Dimensions & Surface Quality	Whichever is less	Rectified edge		
1	Deviation in Length & Width	± 0.3% or ±2.0mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 5% or ±0.5mm	± 5 %	± 4%	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ±1.5mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness (Edge Curvature, Centre Curvature & Warpage)	± 0.4% or ±1.8mm	± 0.5 %	± 0.15%	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	> 95% free from visible defects	ISO 10545-2 / IS 13630-1
	Physical Property				
7	Water Absorption	≤ 0.5%	Average ≤0.08%, Individual Max 0.1%	≤ 0.05%	ISO 10545-3/ IS 13630- 2
8	Modulus of Rupture	≥ 35 N/mm²	Average 35 N/mm², Individual 32N/mm², Min	≥ 38N/mm²	ISO 10545-4/ IS 13630-6
9	Breaking Strength	≥ 1300 N	Min1300 N	≥ 1500 N	ISO 10545-4 / IS 13630-6
10	Moisture expansion	report value	0.02 mm/m, Max	≤ 0.02 mm/m	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	-	5, Min	≥ 5	IS 13630 -13
12	Coefficient of Linear Thermal Expansion	report value	Max, 6 x 10 <sup>-6</sup> K <sup>-1</sup>	$\leq 6 \times 10^{-6} \text{ K}^{-1}$	ISO 10545-8/ IS 13630-4
13	Thermal Shock Resistance	report result	10 cycles Min	No Damage	ISO 10545-9 / IS 13630 -5
14	Impact Resistance	report value	0.55, Min	≥ 0.55	ISO 10545-5 / IS 13630-14
15	Coefficient of friction	-	Manufacturer to declare	≥0.3	ANSI A 326.3
16	Frost Resistance	report result	required if requested by purchaser	No Damage	ISO 10545-12 / IS 13630-10
17	Resistance to Deep Abrasion of Unglazed Tiles	≤ 175 mm³	Max 140 mm³	≤ 140mm³	ISO 10545- 6 / IS 13630-12
18	Bulk Density (g/cc)	-	2.2, Min	≥ 2.2	ISO 10545-3 / IS 13630-2
19	Color Resistance to UV light	report result	-	No change in color	DIN 51094
20	Chemical Property (cleansers except to cleansing agents containg Hydrofloric acids and its compounds)				
a	Resistance to Staining - Unglazed Tiles	-	Class 2, Min	Class 2, Min ( BIS )	ISO 10545-14 / IS 13630-7
b	Resistance to Household Chemicals and Swimming Pool water cleansers - Unglazed tiles	UB	report resistance class	UA	ISO 10545-13 / IS 13630-7
С	Resistance to acids and alkalis (Unglazed Tiles)	report resistance class	report resistance class	UA	ISO 10545-13 /IS 13630 -7

<sup>\*</sup> ISO / IS technical specifications for Johnson tiles are applicable only for premium /1st Quality tile Please inspect all tiles prior to installation, company will not entertain any complaints once tiles are laid / fixed

#### **TECHNICAL SPECIFICATION**

S. No	Property	ISO 13006 :2018 / EN 14411 Group Bla Requirement	Indian Standard IS 15622:2017 Group Bla, Requirement	JOHNSON MARBONITE (FB) Value	Test Method
	Dimensions & Surface Quality	Whichever is less	Rectified edge		
1	Deviation in Length & Width	± 0.3% or ±2.0mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 5% or ±0.5mm	± 5%	± 4%	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ±1.5mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness (Edge Curvature, Centre Curvature & Warpage)	± 0.4% or ±1.8mm	± 0.5 %	± 0.15%	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	> 95% free from visible defects	ISO 10545-2 / IS 13630-1
	Physical Property				
7	Water Absorption	≤ 0.5%	Average ≤0.08%, Individual Max 0.1%	≤ 0.05%	ISO 10545-3/ IS 13630- 2
8	Modulus of Rupture	≥ 35 N/mm²	Average 35 N/mm², Individual 32N/mm², Min	≥ 38N/mm²	ISO 10545-4/ IS 13630-6
9	Breaking Strength	≥ 1300 N	Min1300 N	≥ 1500 N	ISO 10545-4 / IS 13630-6
10	Moisture expansion	report value	0.02 mm/m, Max	≤ 0.02 mm/m	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	-	5, Min	≥ 5	IS 13630 -13
12	Coefficient of Linear Thermal Expansion	report value	Max, 6 x 10 <sup>-6</sup> K <sup>-1</sup>	≤ 6 x 10 <sup>-6</sup> K <sup>-1</sup>	ISO 10545-8/ IS 13630-4
13	Thermal Shock Resistance	report result	10 cycles Min	No Damage	ISO 10545-9 / IS 13630 -5
14	Impact Resistance	report value	0.55, Min	≥ 0.55	ISO 10545-5 / IS 13630-14
15	Coefficient of friction	-	Manufacturer to declare	≥0.3	ANSI A 326.3
16	Frost Resistance	report result	required if requested by purchaser	No Damage	ISO 10545-12 / IS 13630-10
17	Resistance to Deep Abrasion of Unglazed Tiles	≤ 175 mm³	Max 140 mm³	≤ 140mm³	ISO 10545- 6 / IS 13630-12
18	Bulk Density (g/cc)	-	2.2, Min	≥ 2,2	ISO 10545-3 / IS 13630-2
19	Color Resistance to UV light	report result	-	No change in color	DIN 51094
20	Chemical Property (cleansers except to cleansing agents containg Hydrofloric acids and its compounds)				
a	Resistance to Staining - Unglazed Tiles	-	Class 2, Min	Class 2, Min	ISO 10545-14 / IS 13630-7
b	Resistance to Household Chemicals and Swimming Pool water cleansers - Unglazed tiles	UB	report resistance class	UA	ISO 10545-13 / IS 13630-7
С	Resistance to acids and alkalis (Unglazed Tiles)	report resistance class	report resistance class	UA	ISO 10545-13 /IS 13630 -7

<sup>\*</sup> ISO / IS technical specifications for Johnson tiles are applicable only for premium /1st Quality tile Please inspect all tiles prior to installation, company will not entertain any complaints once tiles are laid / fixed



#### **TECHNICAL SPECIFICATION**

S. No	Property	ISO 13006:2018 / EN 14411 Group Bla Requirement	Indian Standard IS 15622:2017 Group Bla Requirement	Johnson Marbonite Value 15 mm	Test Method
	Dimensions & Surface Quality	whichever is less applicable. Rectified edge	Rectified edge		
1	Deviation in Length & Width	± 0.3% or ±1.0mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
2	Deviation in Thickness	± 5% or ±0.5mm	± 5 %	± 4%	ISO 10545-2 / IS 13630-1
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
4	Rectangularity	± 0.3% or ±1.5mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1
5	Surface Flatness	± 0.4% or ±1.8mm	± 0.5 %	± 0.2%	ISO 10545-2 / IS 13630-1
6	Surface Quality	Min 95% free from visible defects	Min 95% free from visible defects	> 95% free from visible defects	ISO 10545-2 / IS 13630-1
	Physical Property				
7	Water Absorption	≤ 0.5%, individual Max 0.6%	Avaerage ≤0.08%, Individual 0.1%, Max	≤ 0.08%	ISO 10545-3/ IS 13630- 2
8	Modulus of Rupture	Average 35 N/mm², Individual 32N/mm², Min	Average 35 N/mm², Individual 32N/mm², Min	≥ 38N/mm²	ISO 10545-4/ IS 13630-6
9	Breaking Strength	700 N Min for thickness < 7.5 mm, 1300 Min for thickness ≥ 7.5 mm	700 N Min for thickness < 7.5 mm, 1300 Min for thickness ≥ 7.5 mm	≥ 1500 N	ISO 10545-4 / IS 13630-6
10	Moisture expansion	report value	0.02 mm/m, Max	≤ 0.02 mm/m	ISO 10545-10 / IS 13630-3
11	Scratch hardness of surface (Moh's scale)	-	5, Min	≥ 6 (Matt surface)	IS 13630 -13
12	Resistance to Surface Abrasion of Glazed Tiles for Floor Application	report abrasion class & Cycle passed	Class II , Min	PEI III-V	ISO 10545-7 /IS 13630 -11
13	Coefficient of Linear Thermal Expansion	report value	Max, 6 x 10 <sup>-6</sup> K <sup>-1</sup>	Max, 6 x 10 <sup>-6</sup> K <sup>-1</sup>	ISO 10545-8/ IS 13630-4
14	Thermal Shock Resistance	report result	10 cycles Min	10 cycles Min No Damage	
15	Crazing Resistance of Glazed Tiles	report result	4 cycles @7.5 bar Min	No Damage	ISO 10545-11/ IS 13630-9
16	Impact Resistance	report value	0.55, Min	≥ 0.55	ISO 10545-5 / IS 13630-14
17	Coefficient of friction	-	Manufacturer to declare	≥0.4	ANSI A 326.3
18	Frost Resistance	report result	required if requested by purchaser	No Damage	ISO 10545-12 / IS 13630-10
19	Bulk Density (g/cc)	-	2.2, Min	≥ 2.2	ASTM C373-16 / IS 13630-2
20	Color Resistance to UV light	report result	-	No change in color	DIN 51094
21	Chemical Property (cleansers except to clean	sing agents containg Hydrofloric	c acids and its compounds)		
a	Resistance to Staining - Glazed Tiles	Min class 3	Class I, Min	Class 1 ( IS )/ Class 3 ( ISO )	ISO 10545-14 / IS 13630-8
b	Resistance to Household Chemicals and Swimming Pool water cleansers - Glazed tiles	GB	AA min	GA/AA	ISO 10545-13 / IS 13630-8
С	Resistance to acids and alkalis (Glazed Tiles)	report resistance class	report resistance class	GA	ISO 10545-13 /IS 13630 -8
22	Lead & Cadmium Release- for Glazed Tiles, where required	report value	-	Nil	ISO 10545-15

<sup>\*</sup> ISO / IS technical specifications for Johnson tiles are applicable only for premium /1st Quality tile Please inspect all tiles prior to installation, company will not entertain any complaints once tiles are laid / fixed

#### **TECHNICAL SPECIFICATION**

S. No	Test Description	ISO 13006:2018 / EN 14411 Group Bla Requirement	IS - 15622:2017 Group Blb	Johnson Marbonite Outdoor	Test Method	
A)	Dimension Quality	whichever is less applicable. Rectified	Rectified			
1	Deviation in Length & Width	± 0.3% or ±1.0mm	± 0.1 %	± 0.1%		
2	Deviation in Thickness	± 5% or ±0.5mm	± 5%	± 4%		
3	Straightness of Sides	± 0.3% or ±0.8mm	± 0.1 %	± 0.1%		
4	Rectangularity	± 0.3% or ±1.5mm	± 0.1 %	± 0.1%	ISO 10545-2 / IS 13630-1	
5	Surface Flatness	± 0.4% or ±1.8mm	± 0.5 %	±0.3%		
6	Surface Quality	Min 95% free from visible defects from 1 meter distance under 300 lux light	Min 95% free from visible defects from 1 meter distance under 300 lux light	Min 95% free from visible defects from 1 meter distance under 300 lux light		
B)	Physical Property					
1	Water Absorption	≤ 0.5%, individual Max 0.6%	0.08% <e≤3, Individual 3.3 max</e≤3, 	≤ 0.5%	ISO 10545-3 / IS 13630-2	
2	Scratch hardness of surface (Moh's scale)	-	≥5	≥6	IS 13630 part 13	
3	Flexural Strength (Average MOR)	≥ 35 N/mm², Individual 32N/mm², Min	≥30N/mm², Individual 27 min	≥35N/mm²	ISO 10545-4 / IS 13630-6	
4	Breaking Strength	≥ 1300 N	≥1100N	≥ 1500 N	ISO 10545-4 / IS 13630-6	
5	Impact Resistance	report value	≥ 0.55	≥ 0.55	ISO 10545-5 / IS 13630-14	
6	Crazing Resistance	Report cycle	4 cycle	No damage	ISO 10545-11 / IS 13630-	
7	Surface Abrasion Resistance (PEI Rating)	Report abrasion class	Class II, Min	Min PEI III - IV	ISO 10545-7 / IS 13630 - 11	
8	Coefficient of friction	-	Manufacturer to declare	≥ 0.4	ANSI A 326.3	
9	Bulk Density, in (g/cc)	-	≥ 2.0	> 2.2	ASTM C373-16 / IS 13630-2	
10	Moisture expansion	Manufacturer to declare	Max 0.02 mm/m	≤ 0.02 mm/m	IS 13630-part 3 / ISO 10545-10	
11	Frost Resistance	Manufacturer to declare	Manufacturer to declare	No Damage	ISO 10545-12 / IS 13630-10	
12	Color Resistance to UV light	report result	report result	No change in color	DIN 51094	
C)	Chemical Properties					
1	Resistance to Staining - Unglazed Tiles	-	Class 2, Min	Class 2, Min		
	1) Resistance to Low concentrations of acids & alkalies	report resistance class	report resistance class	GLA/AA		
	2) Resistance to High concentrations of acids & alkalies	report resistance class	report resistance class	GHA/AA	ISO 10545-13 / IS 13630-	
	3) Resistance to household chemicals and swimming pool salts	GB min	AA min	GB( ISO )/AA(BIS)		
2	tain resistance Min class 3 Class 1 m		Class 1 min	Class 1 (IS)/ Class 3 (ISO)	ISO 10545-14 / IS 13630-	
D)	Thermal Properties					
1	Linear Thermal Expansion	Report value	≤7 x 10 <sup>-6</sup> K <sup>-1</sup>	≤7 x 10 <sup>-6</sup> K <sup>-1</sup>	ISO 10545-8/ IS 13630-4	
2	Thermal shock resistance	-	10 Cycle, Min	10 Cycle, Min	ISO 10545-9 / IS 13630 -	

# Ramp Test: Suitable for all kind of surfaces (Plain, structural..etc)
# Slider (BOT -3000E Digital Tribometer): suitable for plain / smooth surface and not working for structural / profiled surface



#### PACKING DETAILS \_

Product	Sizes	Finishes	No of Tiles/Box	Approx Area/Box (sq m)	Approx Weight/Box (kgs)	Approx Cartons/ 20' Container	Approx Area per Container (sq m)
80X300 - 15mm	80X300	FB	1	2.4	84	321	770
80X240 - 15mm	80X240	FB & DSB	1	1.92	67.5	400	768
120X180 - 15mm	120X180	FB	1	2.16	77	350	756
60x120 Solid Surface	60x120	FB Polished	2	1.44	26	1038	1495
		FB Matt	2	1.44	29.5	915	1318
60X120 FB - 10mm	60x120	Matt	2	1.44	31	870	1253
60X120	60x120	DC Polished	2	1.44	25	1080	1555
60x120 - Elegance Series	60x120	Elegance High End	2	1.44	26	1038	1495
80x80 Elite	80x80	DC Polished	3	1.92	36	750	1440
60x60 Solid Surface	60x60	FB Polished	4	1.44	25	1080	1555
		FB Matt	4	1.44	30	900	1296
60x60 Elite	60x60	DC Polished	4	1.44	25.5	1058	1524
60X60 FB - 10mm	60x60	Matt	4	1.44	31	870	1253
60X60 FB	60x60	Rustic	4	1.44	27.5	981	1413
60X60 -12mm - Parking	60x60	Matt	3	1.08	27.5	981	1059
60x60 -Elegance Series	60x60	Polished	4	1.44	25	1080	1555
		Matt	4	1.44	25	1080	1555
60x60 - Smart Series	60x60	Polished	4	1.44	25.5	1058	1524
		Matt	4	1.44	26	1038	1495
400X400 - 11mm	40x40	Matt	5	0.80	18	1500	1200
60X60 SS	60x60	Polished	4	1.44	23.5	1148	1653
60X60 TR	60x60	Matt	4	1.44	24.5	1102	1587

#### YOU CAN ALSO REACH US AT \_\_\_\_

Region	Branch	Tel.:
	Kolkata	033-46021880
	Bhubaneshwar	0674 6539836/37/2430240
East	Siliguri	9836065812
	Guwahati	8135846661/7575900492
	Ranchi	6202065659
	Mumbai	022-40647500
	Thane	022-25867600 / 666
	Pune	020-41301164 / 31
West	Aurangabad	8669600748
	Ahmedabad	079-48480010
	Raipur	0771-4919129
	Indore	0731-4007441
	Jalandhar	0182-4505038 / 39
North	Chandigarh	0172-4697100
	Delhi	011-49526600

Region	Branch	Tel.:
	Jaipur	0141-2368329
N	Lucknow	0522-2721699
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	Patna	6202065659
	Bengalure	080-22234310/080-22234330
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	Vijayawada	9666429666
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	Tirupati	9121228960
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South	Kozhikode	0422-4382698
	Thiruvananthapuram	0471-2720141
	Chennai	044-28544116 / 28541881
	Coimbatore	0422-4382698
	Madurai	0452-4355584 / 4355594
	Trichy	9486718544

#### **EXPERIENCE CENTERS**

Location	Address	Tel.:
Kolkatta	HOUSE OF JOHNSON - 83 JBS Haldane Avenue, TOPSIA Trinity towers Kolkata - 700046	033-46021880
Guwahati	HOUSE OF JOHNSON - 1st Floor, Above Royal Riders Honda, Near Rahul Kata, Pub Bragaon, Garchuk, Guwahati - 781035	7575900492
Bhubaneshwar	HOUSE OF JOHNSON - Ray Tower, 1st Floor, N4/237, Indradhanu market, IRC Village, Nayapalli, Bhubaneshwar, Orissa - 751015	0674 6539836/37/2430240
Patna	HOUSE OF JOHNSON – SK Builders and colonizer Pvt.Ltd.,1st Floor, SK Palace, Saguna more, Bihar – 801503.	9702651243
Chandigarh	HOUSE OF JOHNSON - SCO 214, sector14, Panchkula, Haryana - 134109	0172-4637724
Delhi	HOUSE OF JOHNSON - First & Mezzanine Floor, B-1/G-3, Mohan Industrial Estate, Mathura Road, New Delhi - 110094.	11-49526600
Lucknow	HOUSE OF JOHNSON - 1st Floor, Prithvi Ratan Height, Plot No CP-4, Vijayant khand - 3, Gomtinagar Yojna, Lucknow - 226028	0522-2721699
Varanasi	HOUSE OF JOHNSON - Ashakunj, 1st floor, D59/103 D4, Opp Siddharth Complex, Sigra Mehmoorganj Road, Varanasi - 221010	0542-2222620
Aurangabad	House Of Johnson Aurangabad - Gut No 16/44, NH-211, Near Balapur Phata, Near Ramkisan Lawns, Beed Bypass Road Aurangabad 431005	8669600748
Pune	HOUSE OF JOHNSON - Sable House, Poona Snuff Factory, Sr. No 11A, Plot 408/4/5, Satara Road, Gultekadi, Pune - 411037	7350009364
Thane	HOUSE OF JOHNSON - Shop No.5, Gr.Floor, Cosmos Jewels, Near Dmart, Anand Nagar, Ghodbunder Road, Thane West - 400615	8424003247
Mumbai - Andheri	HOUSE OF JOHNSON - 1st flr, Bonanza, Sahar Plaza, Nr Hotel Kohinoor continental, J B Nagar, Andheri Kurla Road, Andheri East, Mumbai - 400059	8108030975
Ahmedabad	HOUSE OF JOHNSON - F 106-107, Shivalik Plaza, IIM Road, Panjrapole Cross Road, Ahmedabad, Gujarat - 380015	079-48480010
Indore	HOUSE OF JOHNSON - Shop No 5, 6, 7 and 8, Upper Ground Floor, Exotica, Shalimar Township, Village Niranjanpur, A. B. Road, Indore, Madhya Pradesh - 452001	0731-4007441
Raipur	HOUSE OF JOHNSON - 2nd Floor, MM Silver Plaza, Opp Udyog Bhawan, Ring Road - 1, Raipur, Chattisgarh - 492001	771-4919129
Coimbatore	HOUSE OF JOHNSON - Elysium Towers, Park Gate Rd, No. 21, ATT Colony, Gopalapuram, Coimbatore - 641018	0422-4382698
Chennai	HOUSE OF JOHNSON - 82, 84 & 86 Bascon Maeru, 1st floor, Kodambakkam High Road, Nungambakkam, Chennai - 600034	044-48611632
Kochi	HOUSE OF JOHNSON - Door no. 11/300 f, Next to VTJ Hyundai, NH 47 Kundanoor, Maradu, Kochi, Ernakulam - 682304	0484-4871277
Kozhikode	HOUSE OF JOHNSON - Tilal Tower, Near Nexa Showroom, Kudilthod, Malaparamba bypass, Kozikode, Kerala - 673017	0495-2357505
Thiruvananthapuram	HOUSE OF JOHNSON -1st Floor, Sreedhanya Apex, TC 22/3720 (4) Vellayambalam, Sasthamangalam PO, Thiruvananthapuram, Kerala - 695010	0471-2720141
Bengalure	HOUSE OF JOHNSON - No.39, Rajaram Mohan Roy Road , Opp. Kanteerava indoor Stadium, Bengalure - 560027	080-22234310/080-22234
Bengalure	HOUSE OF JOHNSON - Dodda Banaswadi, Opp. New Baldwin Residential School, Bengalure-560043	080-41692976 / 41692060
Hyderabad	HOUSE OF JOHNSON - SP Jubilee Crown (3rd Floor) Plot - 1270, Road No.36, Jubilee Hills, Hyderabad – 500033	8897525143

For address and contact numbers of our Johnson Exclusive Showrooms and Authorized Retailers, please visit our website www.hrjindia.com

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