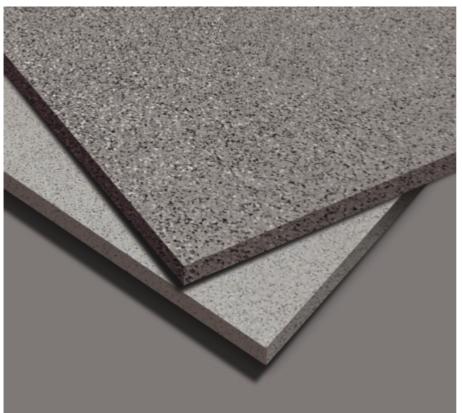


Made With Diligence

Full Body Vitrified Tiles 600x600 mm

The Grains Story



The full body Sahara Series is a work of diligence, providing homogeneous body tiles. The aesthetic appeal of the tile remains intact even after prolonged exposure to wear and tear, making it the most preferred durable tile.

All the five designs – Sahara Nero, Sahara Creama, Sahara Beige, Sahara Gris and Sahara P Kota Green are made by a mixing natural clay, feldspar, quartz and natural pigments. Our manufacturing experts use special pigment grains for even dispersion, ensuring minimal color variation across batches.

All the touch points like silos, lifting machines, conveyor belts where the mixture passes through are treated with utmost care to nullify impurities. As a precautionary measure, even the conveyor belts are covered to prevent impure dust.

And while all this is done to ensure similarity between batches, quality team works to guarantee that every batch meets the high MOR standard.

The process Diligence thus makes our full body tiles replete with functional USP's of higher durability and higher breaking strength.









SAHARA CREAMA

SAHARA BEIGE

SAHARA GRIS

SAHARA NERO

SAHARA P KOTA GREEN

Product Features:













ECO FRIENDLY

ANTI-SKID

SCRATCH RESISTANT

CHEMICAL RESISTANT

LOW MAINTENANCE



SAHARA P KOTA GREEN

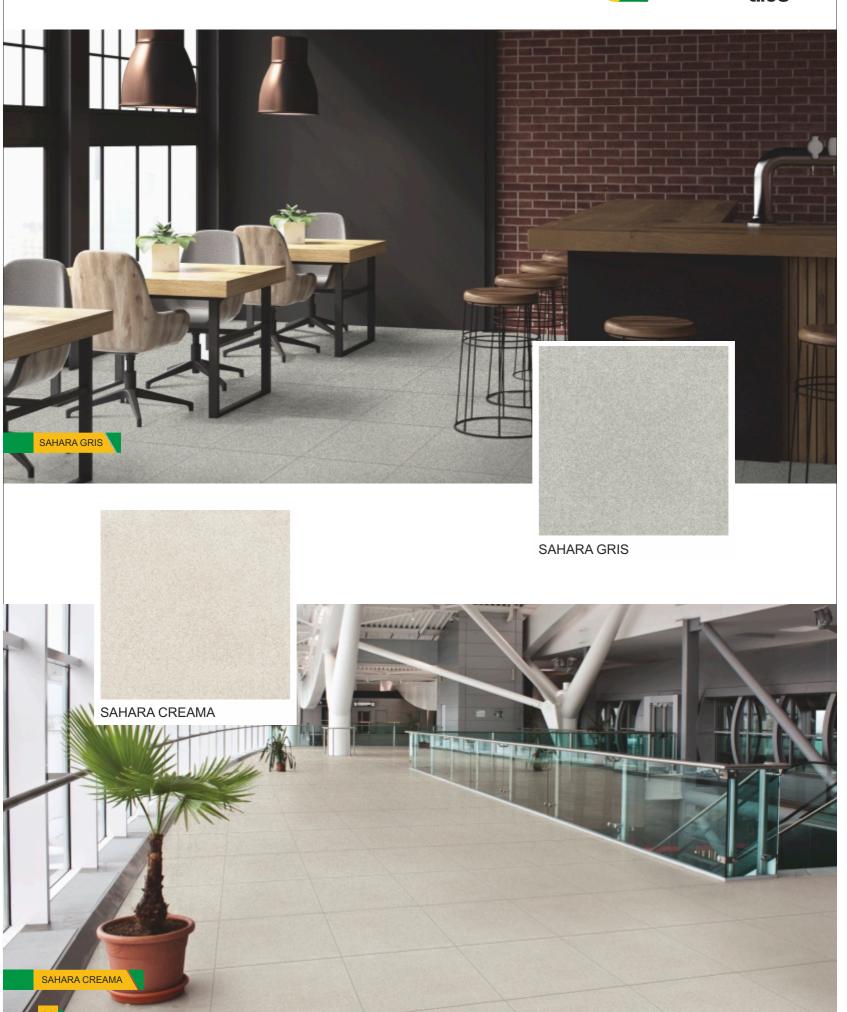




02













ALSO AVAILABLE IN ROCK FINISH



SAHARA ROCK NERO



SAHARA ROCK CREAMA



SAHARA ROCK BEIGE



SAHARA ROCK GRIS

SAHARA P KOTA GREEN AVAILABLE IN ROCK & SLATE FINISH



SAHARA ROCK P KOTA GREEN



SAHARA SLATE P KOTA GREEN



FULL BODY TILES ADVANTAGES OVER KOTA STONE



Full body tiles are made by vitrified process and have homogeneous body, they have better scratch hardness (6 on Mohs' scale) than 3-4 for Kota Stone hence once installed they are ready to take heavy footfall and hence don't allow wear and tear keeping the aesthetic appeal of the surface remain intact, where as in stones slight chipping of the top layer happens.



Full body tile shade has very little variation (5-10%), whereas stone being natural product, both quality and shade of the stone is unpredictable.



Full body tiles don't allow any kind of stains to remain on the surface due to invisible glaze layer on them, where as stone being a natural substance allows stains, household items like ketchup, jam, polish and tend to make surface sticky and ugly.



Natural kota stone tends to react with acids & starts losing its sheen and aesthetics, where full body tiles don't react (except hydroloric acid and its deratives), infact our R&D team also certifies it with a test done in laboratory.



Tile has almost neglibile water absorption (less than 0.08%), where as stone has slightly higher approx. 0.31%, therefore making it suitable product for laying it where there is exposure to water and moisture, also provides better grip and breakage free



Full body tiles are matt finish & slip resitant flooring, unlike Kota stone, where sometimes highly polished stone tends to become slippery and become risky. Hence, many educational institutes like school and colleges are replacing their kota stone flooring with our full body tiles to keep the floor safer for the children



Tiles are readymade material, can be installed once after the surface is prepared, while for Kota stone you need to polish it for several times after installation hence leading to noisy and cumbersome process. Infact, you may need to do polish it after every 3-4 years to maintain its sheen.



For 600x600mm size, 9.5mm full body tiles weight approx 8kg where as kota stone of similar size and thickness 15mm weighs around 20kg thus making the surface weight higher, hence making the overall weight of the structure (building) more.



SAHARA SERIES

Made With Diligence



Full Body Vitrified Tiles

600x600 mm I 15.5 mm

HEAVY DUTY INDUSTRIAL TILES



HEAVY DUTY INDUSTRIAL TILES

Introducing 15.5MM thick full body vitrified tiles catering to all your needs of heavy duty industry tiling.

Strong and Durable range with extra thickness having high MOR value and breaking strength, it can be applied on high traffic areas with vehicle movement.

High MOR value make it endure more stress whereas extra thickness prevents it from breaking.

With almost negligible water absorption, this range is available in five colors.





SAHARA HEAVY BEIGE



SAHARA HEAVY GRIS



SAHARA HEAVY NERO



SAHARA HEAVY P KOTA GREEN

MOQ: 2000 Sq. Meter Make to Order: 45 Days





HEAVY DUTY INDUSTRIAL TILES





HEAVY DUTY INDUSTRIAL TILES





ALSO AVAILABLE IN ROCK FINISH



SAHARA HEAVY ROCK NERO



SAHARA HEAVY ROCK CREAMA



SAHARA HEAVY ROCK BEIGE



SAHARA HEAVY ROCK GRIS

SAHARA P KOTA GREEN AVAILABLE IN ROCK & SLATE FINISH



SAHARA HEAVY ROCK P KOTA GREEN



SAHARA HEAVY SLATE P KOTA GREEN



METHODS OF INSTALLATION



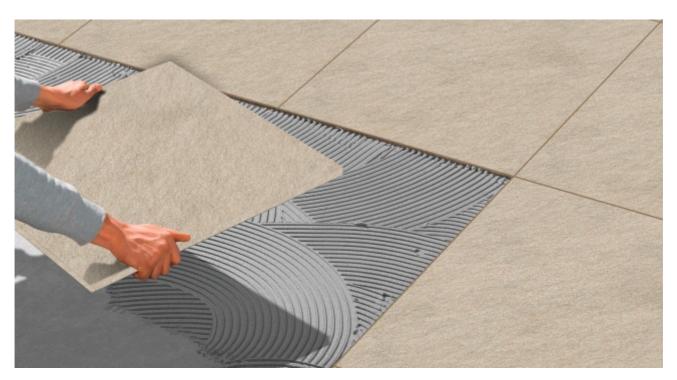
RAISING FLOORING INSTALLATION WITH SUPPORT

By raising the installation a technical gap of variable height is created between the tile and the flooring. This gap can be replaced and inspected any time without extirpating the surface that allows pipe ducts, wires, and lighting systems to hide



DRY INSTALLATION GRASS*

In this method the slabs are directly installed onto the grass to pedestrian pathways that can be walked upon immediately post-installation but are not suitable for movement of vehicles. It is easy & quick to install and does not require use of adhesives for installation.



USING TRADITIONAL ADHESIVES

The traditional adhesive installation provides an excellent bonding between the substrate and the tiles. This installation method represents the perfect solution for pedestrian lanes as well as lanes with vehicular movement.



DRY INSTALLATION LEVEL ON GRAVEL/SAND*

The dry installation method positions the tiles directly onto the substrates in gravel or sand to create pedestrian pathways that can be walked upon immediately. It is an easy & quick application method and does not require adhesive for installation purpose.

TECHNICAL SPECIFICATIONS

Full Body Vitrified Tiles 9.5 mm

| Packing Details | | | | | |
|------------------|-------------------------|-------------------------|----------------|--|--|
| Size | No. of Tiles Per Carton | Covered Area Per Carton | | | |
| (In mm.) | No. or liles Per Carron | (In Sq. Mtr.) | (In Sq. Ft.) | | |
| 600X600 mm (SKD) | 4 | 1.44 | 15.50 | | |

| As per Indian Standard (IS 15622:2017) Group B la | | | | | | |
|--|------------------------|--|-------------------------------|--|--|--|
| Characteristics | Standard Test Method | IS 15622 Requirements | OBL Norms | | | |
| Dimension & Surface Quality | | | | | | |
| Deviation in Size (length & Width) | - | ± 0.1 % | ± 0.1 % (Max) | | | |
| Deviation in thickness | | ± 5.0 % | ± 3.0 % (Max) | | | |
| Straightness of sides | | ± 0.1 % | ± 0.1 % (Max) | | | |
| Rectangularity | IS 13630 (Part 1):2006 | ± 0.1 % | ± 0.1 % (Max) | | | |
| Surface Flatness | | ± 0.5 % | ± 0.2 % (Max) © © | | | |
| Surface Quality | | Min 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of the tile | Conform | | | |
| Physical Properties | | | | | | |
| Water absorption % | IS 13630 Part 2 | Average ≤0.08%, individual 0.10% Max. | Average ≤0.08% © | | | |
| Modulus of rupture N/mm² | IS 13630 Part 6 | Average 35, individual 32 Min. | Min 45 N/mm2 | | | |
| Breaking Strength N | IS 13630 Part 6 | 700 Min for thickness <7.5mm, 1300 Minimum for Thickness ≥7.5 mm | Min 2000 N ◎ ⓒ | | | |
| Moisture Expansion | IS 13630 Part 3 | 0.02 Max | Conforms | | | |
| Scratch hardness (Moh's Scale) | IS 13630 Part 13 | 5 Min | 7 min ◎ ⓒ | | | |
| Resistance to surface abration of glaze tiles Class I to V (Applicable for floor applications aonly) | IS 13630 Part 11 | Min II | Class- V 😊 | | | |
| Linear thermal expansion Co-efficient | IS 13630 Part 4 | 6x10 ⁴ max | 6x10 ⁻⁶ max | | | |
| Thermal Shock Resistance | IS 13630 Part 5 | 10 Cycle Min | Passed | | | |
| Impact Resistance | IS 13630 Part 14 | 0.55, Min | 0.75 | | | |
| Coefficient of Friction | ISO 10545 Part 17 | Manufacturer to declare value where required | R-11 in pendulum test method. | | | |
| Frost Resistance | IS 13630 Part 10 | Required if agreed to between manufacturer and purchaser | 50 cycle passed | | | |
| Resistance to deep abration of unglazed tiles | IS 13630 Part 12 | 140, Max | Class AA | | | |
| Bulk density g/cc | IS 13630 Part 2 | 2.2, Min | 2.2, Min | | | |
| Chemical Properties | | | | | | |
| Resistance to Staining of Glazed Tiles | | Class 1 Min | Class 1 | | | |
| Resistance to Household Chemicals | IS:13630 Part 8 | Class AA | Class AA | | | |
| Resistance to Acids and Alkalis (with exception of hydrofluoric acid and its compound) | | Class AA | Class AA | | | |

TECHNICAL SPECIFICATIONS

Full Body Vitrified Tiles 15.5 mm

| Packing Details | | | | | |
|------------------|-------------------------|-------------------------|----------------|--|--|
| Size | No. of Tiles Per Carton | Covered Area Per Carton | | | |
| (In mm.) | No. of Tiles Per Carton | (In Sq. Mtr.) | (In Sq. Ft.) | | |
| 600X600 mm (SKD) | 4 | 1.44 | 15.50 | | |

| As per Indian Standard (IS 15622:2017) Group B la | | | | | |
|--|------------------------|--|-------------------------------|--|--|
| Characteristics | Standard Test Method | IS 15622 Requirements | OBL Norms | | |
| Dimension & Surface Quality | | | | | |
| Deviation in Size (length & Width) | | ± 0.1 % | ± 0.1 % (Max) | | |
| Deviation in thickness | - | ± 5.0 % | ± 3.0 % (Max) | | |
| Straightness of sides | _ | ± 0.1 % | ± 0.1 % (Max) | | |
| Rectangularity | IS 13630 (Part 1):2006 | ± 0.1 % | ± 0.1 % (Max) | | |
| Surface Flatness | _ | ± 0.5 % | ± 0.2 % (Max) © © | | |
| Surface Quality | | Min 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of the tile | Conform | | |
| Physical Properties | | | | | |
| Water absorption % | IS 13630 Part 2 | Average ≤0.08%, individual 0.10% Max. | Average ≤0.08% ⓒ | | |
| Modulus of rupture N/mm ² | IS 13630 Part 6 | Average 35, individual 32 Min. | Min 45 N/mm2 | | |
| Breaking Strength N | IS 13630 Part 6 | 700 Min for thickness <7.5mm, 1300 Minimum for Thickness ≥7.5 mm | Min 6250 N ◎ ◎ | | |
| Moisture Expansion | IS 13630 Part 3 | 0.02 Max | Conforms | | |
| Scratch hardness (Moh's Scale) | IS 13630 Part 13 | 5 Min | 7 min 😊 😊 | | |
| Resistance to surface abration of glaze tiles Class I to V (Applicable for floor applications aonly) | IS 13630 Part 11 | Min II | Class- V © | | |
| Linear thermal expansion Co-efficient | IS 13630 Part 4 | 6x10 ⁺ max | 6x10 ⁻⁶ max | | |
| Thermal Shock Resistance | IS 13630 Part 5 | 10 Cycle Min | Passed | | |
| Impact Resistance | IS 13630 Part 14 | 0.55, Min | 0.75 | | |
| Coefficient of Friction | ISO 10545 Part 17 | Manufacturer to declare value where required | R-11 in pendulum test method. | | |
| Frost Resistance | IS 13630 Part 10 | Required if agreed to between manufacturer and purchaser | 50 cycle passed | | |
| Resistance to deep abration of unglazed tiles | IS 13630 Part 12 | 140, Max | Class AA | | |
| Bulk density g/cc | IS 13630 Part 2 | 2.2, Min | 2.2, Min | | |
| Chemical Properties | | | | | |
| Resistance to Staining of Glazed Tiles | | Class 1 Min | Class 1 | | |
| Resistance to Household Chemicals | | Class AA | Class AA | | |
| Resistance to Acids and Alkalis (with exception of hydrofluoric acid and its compound) | | Class AA | Class AA | | |

NOTE: Certain amount of Size and Shade variation is inherent in all ceramic products. Within the limits of printed material, the colors and aesthetics of the products correspond closely to those of illustrated products. Prospective customers are advised to inspect a sample of the tile before ordering and laying. At all points of time, the company liability is restricted to the purchase value of tiles.

Every effort has been made to ensure the accuracy of the information given. However, the company reserves the right to delete & change, any of the items, colors, sizes & technical specifications without any prior notice.

















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