



S M B

where imagination meets reality

MATERIAL DISCRIPTION

CIVIL CONSTRUCTION



➤ WIRE CUT RED BRICKS

Wire cut bricks tend to be smoother and look elegant with uniform size and Color. Wire Cut bricks provide a fine finishing to the structure.



➤ Cement Blocks

Cement concrete blocks are more favoured over red bricks. Although bricks are denser than concrete blocks, they are brittle, which reduces their tensile strength by far. Cement concrete blocks on the other hand have more tensile strength.



➤ 20mm & 40mm Aggregate

20mm Aggregate is used for concrete. Aggregate is most used in the construction of RCC slabs, columns, beams and structures.

40mm Aggregate is used for P.C.C. Aggregates are inert granular materials such as sand that, along with water and cement, are an essential ingredient in concrete.



➤ Cement – 53 & 43 grade

53 Grade OPC cement is Used in RCC and pre-stressed concrete of higher grades, bricks, cement grouts, instant plugging mortars where initial higher strength is the criteria. 43 grade is used for plastering.



➤ TMT Steel – 550

Steels of 8mm, 10mm, 12mm, and 16mm are used. 12mm & 16mm used for column and beam rebar, 10mm used for footing mat & roof rebar, 8mm used as rings.



➤ M-sand

M sand is a form of artificial sand, manufactured by crushing large hard stones, mainly rocks or granite, into fine particles, which is then washed and finely graded. Used for P.C.C, concrete, brick work.



➤ River Sand

River sand falls under the fine quality of construction sands which is found near river banks and streams. This sand is white-grey and is one of the fine graded sands used in the construction of buildings. Used for plastering purpose.



➤ Dr. Fixit

Waterproofing chemical used for sump, roof and bathroom flooring.



FLOORING & WALL TILING

➤ Vitrified tiles – 1x1, 2x2, 4x4'

Vitrified tile is a ceramic tile with very low porosity. It is an alternative to marble and granite flooring. Vitrified tiles are often used outdoors due to their water and frost resistance.



➤ Marble – Italian marbles

Italian marble is considered to be superior by many due to its purity, durability, and beautiful white Color. The fact that many buildings, sculptures, and other works of art made centuries ago out of Carrara marble still exist today is considered a testament to its longevity.



➤ Granite – Polished and Lapothra

Granite is used to make many objects that they encounter in daily life. A natural stone thus, includes countertops, floor tiles, paving stone, curbing, stair treads, building veneer, and cemetery monuments.



➤ Wooden tiles flooring – 8” (inches) x 4’ (ft)

Wooden tiles are the latest craze in the flooring industry today. They look sleek, classy, and posh. They can be used in a variety of spaces.



➤ Anti-skid tiles

Anti-skid tiles come with the unique feature of creating a safe and anti-slippery surface. The special coating on these tiles provides the perfect grip. Mostly used in the Bathroom and Car parking area.



➤ Highlighting tiles

The highlighter tiles at primarily help create a beautiful ambience by complementing other designs or shades. They are used in the Commode or Shower area to highlight a particular space.



➤ Dado tiles

Dado tiles also known as Backsplash, it is that tile that is installed between the upper and below cabinet. Dado tiles are mainly provided in kitchen and bathroom areas.



➤ COUNTER TOPS

Quartz – 40mm Quartz is actually harder than granite and thus, more durable. It is nearly indestructible, and because it isn't porous like granite, it's easy to keep your countertops relatively bacteria-free.



Corian – 40mm It is durable, smooth surface, can seamlessly integrate sink and backsplash, easy to sand away stains or scratches, lots of Color and pattern options, can imitate other materials like concrete and marble.



Granite – 40mm Granite is a very hard substance and is not susceptible to scratches. While not ideal to work on because it will dull knife blades, it will take normal wear and tear very well. Granite resists heat too, so its use near a range or cooktop is ideal. When you have to set down a hot pan fast, granite can take the heat without being damaged or weakened.



➤ FABRICATION

MS Door



MS Gate



Staircase railing



CNC cutting



Designer gate with Shera boards



MS frame work for breeze wall,
windows



MS design for Elevation



PLUMBING



➤ PVC pipes

PVC pipes are commonly used for manufacturing sewage pipes, water mains and irrigation. Possessing very long-lasting properties, PVC pipes are easy to install, lightweight, strong, durable and easily recyclable, making them cost-efficient and sustainable.



➤ CPVC pipes

CPVC (chlorinated poly (vinyl chloride)) is a strong and rigid thermoplastic material that is used for hot and cold potable water applications in residential construction. Because of its makeup, CPVC is immune to damage from highly chlorinated domestic water and has a higher temperature tolerance than PVC.



➤ Ceramic - Bathroom fittings



➤ Shower panels, taps – Stainless steel



- Submersible motors for Sump



DOORS

- TEAK Wooden door frame



- Australian honne



➤ Wooden sliding doors



➤ BI-fold doors



➤ Metal Door



WINDOWS



- UPVC sliding windows UPVC

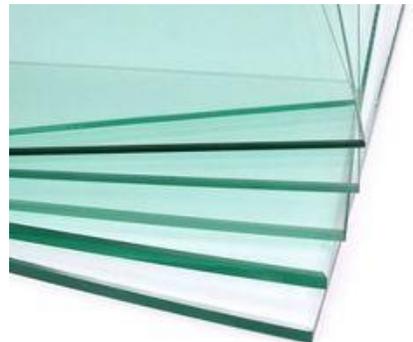


- Openable window



GLASS

- Toughened glass for OTS



- Staircase window – Fixed glass



- Balcony railing glass



- Bathroom glass partition



- Designer glass for modular works



- Mirrors for dressing area



INTERIORS

➤ MDF

Medium density fibreboard (MDF) performs much better than real wood in at least some areas. It is a composite material of high quality. It is used for sliding wardrobe, hinged wardrobe and walk-in wardrobe.



➤ HDF

HDF (high-density fibre board) composite boards that are used in woodworking to make cabinetry, wall panels, shelving, and furniture. They can be pasted with veneers or laminates on one or both sides.



➤ Particle Board

Particle board is a waste-wood product that's made by mixing sawdust with adhesives. The main uses are for furniture, underlayment and as substrate for countertops.



➤ BWR PLY

BWR plywood or boiling water-resistant plywood, as the name suggests, is highly water-resistant plywood. It is completely waterproof and is widely used to make furniture for home, office as well as outdoors. It is most suitable for Kitchen Cabinets.



➤ BWP PLY

BWP grade stands for boiling water proof grade which means the plywood boards with BWP mark are boiling water proof as per standard norms. They can withstand prolonged exposure to water and moisture. It is most suitable for Kitchens, bathrooms, in the making of beds, sofas, tables, chairs, wardrobes, TV table units, and more.



➤ Pine wood

Pine is very different than oak, it is also a good choice for furniture, depending on your purpose. It may not last quite as long as oak, but pine is still a strong, shock-resistant material suitable for furniture, particularly if you like the rustic or country styles. It is used on Designer ceiling, walls, wooden stairs and railing



➤ Rubber wood

Rubber wood has become established as one of the major timbers for the production of furniture and indoor building components. It is used for Meter board, Vanity counter.



➤ Commercial ply

Commercial plywood is generally moisture-resistant plywood, also known as MR grade plywood. This commercial plywood has been trending in recent times due to various factors. It is durable, flexible due to good tensile strength. It is used for T.V units, hanging lights, furniture, book shelves.



➤ Laminates



The most commonly used finishing layer for MDF, plywood, particle board, wooden furniture, wall panels and flooring are laminates. Essentially, a composite artificial material, they are made by pressing together thin layers of flat paper and plastic resins. There are different types of laminates which include matt, glossy, metallic, texture, solid colour and leather laminates.



➤ Hinges

Hinges comprise a rectangular-shaped knuckle which fits to the gate post, and a tapered strap that fits to the gate for extra security. There are varieties of hinges used for doors, windows and mostly the interiors.



Handles

➤ Profile handles



➤ T-bar handles



➤ Cup Handles



➤ Door pull handles



➤ Door Knobs

