COMPARISON OF PAVER BLOCKS MADE BY WET CAST (RUBBER/PVC MOULDS) VS. VIBRO / HERMETIC PRESS

Criteria	WET CAST (RUBBER/PVC MOULDED) PAVER BLOCKS	VIBRO/HERMETIC PRESS (STEEL MOULDED) PAVER BLOCKS
Mfg. Process Description	Usually completely manual process. Each individual paver block mould made of rubber/pvc is manually filled with wet concrete, passed over a simple vibrating table and left to cure in the mould for one day. Next day, each paver block is removed from its mould and after further curing, a lacquer coat may be applied.	Usually fully automatic production process. Starts with weigh batching of aggregates and cement for mixing, then automated filling of concrete in steel moulds with compaction under hydraulic pressure (Hermetic Press) and along with synchronized vibration (Vibro Press), followed by movement to curing, packing, storage and truck loading.
Where Used	Mainly for Non/Light traffic areas for pedestrians, parking lots or residential driveways; typically, small projects of area 1500-2000sq.m.	High wearing areas and for long durable finish e.g. roads, ports, etc. Large projects can be easily and conveniently executed due to larger capacities of automated plants.
Quality consistency	Poor consistency in product, with high variation in finish, sizes, and densities/ strengths due to manual production process.	Much better consistency owing to use of automatic machines for production.
Production quantity	Daily production output is limited by availability of labour, moulds and space for drying of material, weather conditions etc. Usually less than 400-500 sq.m. per day.	Daily production output significantly less dependent on external factors such as labour, moulds or space availability. Results in higher reliability of output, with large plants capable of producing up to 1500-2000 sq.m. per day.
Looks	Better looks initially and dark colours are obtained	Looks very consistent over years of usage
Process Reliability	Low reliability of process- Shade, strength, and dimensional variation likely to be more	Reliable process- Lowest variations in product.
Slip Skid Resistance	Lower	Higher
Durability	Lower durability of surface finish	Fair durability of surface finish