



PAVERS AND BLOCKS MANUFACTURERS ASSOCIATION

[Regd. Under Section 8 of Companies Act, 2013], CIN No. U74999MH2018NPL308583

COMPARISON OF KERBS MADE BY WET CAST (RUBBER/PVC MOULDS) VS. VACUUM WET PRESS

Criteria	WET CAST (RUBBER/PVC MOULDED) KERBS	VIBRO PRESS (STEEL MOULDED) KERBS
Mfg. Process Description	Usually completely manual process. Starts with Manual Drum Mixer being used for mixing the Concrete. Then each individual Kerb 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 Kerb is removed from its mould and kept for further curing before despatch.	Usually fully automatic production process. Starts with weigh batching of aggregates and cement for mixing, then automated filling of concrete in steel moulds on the Vacuum Wet Press with compaction under hydraulic pressure and water suction by vacuum, followed by movement to curing, packing, storage and truck loading.
Physical Parameters	Concrete Density is lower between 2100 - 2200 kg/m ³ due lack of hydraulic compaction resulting in voids and lower Compressive Strength around 15N/mm ² .	Higher concrete density between 2300 – 2400 kg/m ³ due to large hydraulic pressure with vacuum suction of water resulting in negligible voids and higher Compressive Strengths around 35N/mm ² .
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 fully Automatic Vacuum Wet Press for production.
Production quantity	Daily production output is limited by availability of labour, moulds and space for drying of material, weather conditions etc. and is usually limited to 100-200 pcs. 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 Automated Presses capable of producing 1000 pcs. per day.
Looks	Better looks initially and dark colours are obtained	Looks very consistent over years of usage
Process Reliability	Low reliability due to manual process resulting in higher variations in dimensions, strength, and colour shades.	Reliable process due to automation resulting in low product variation.
Durability	Lower durability of surface finish	Fair durability of surface finish

2020.08.05



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