



PAVERS AND BLOCKS MANUFACTURERS ASSOCIATION

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

Criteria	STAMPED CONCRETE	PAVER BLOCKS
Usage	Relatively new product, not popular.	Popular product, proven in performance through wide usage over decades.
Availability	Not widely available, limited suppliers.	Widely available with large established body of producers.
Quality Standards	No local quality standards	IS 15658 Specification for Precast Concrete Blocks for Paving, issued by Bureau of Indian Standards, available since 2006.
Aesthetics	Many designs and colours possible.	Many colours, finishes and laying patterns available.
Application	Limited application for low traffic areas such as swimming pool decks, pathways, private driveways, etc. Not suitable for high wear and tear public footpaths.	Suitable for large variety of applications, from low traffic pathways to public footpaths, parking lots and heavy-duty usage such as Smart Cities, ports, and container terminals.
Mfg. Process	Cast and cured at site leading to poor quality control of the concrete.	Machine made, robust, finished product, fully cured in a factory, leading to superior and consistent product quality.
Site Laying	Requires skilled workmanship.	Done by widely available, semi-skilled labour.
Site Curing	Improper curing after laying at site leads to defects which cannot be rectified (such as footprints of pedestrians/ animals walking on wet concrete before it is cured).	Footpath can be opened for use immediately after laying without holding up for curing; any product or defects can be easily rectified immediately after laying or later.
Quality Testing	Difficult to check quality of stamped concrete after it is cast at site.	Paver Blocks can be tested easily at any time even after laying.
Abrasion	Top colour layer thickness is 2mm which wears off in high traffic applications, such as public footpaths.	Top colour layer thickness is 6-10mm giving a much longer life for high traffic applications.
Underground Utilities	Cannot be accessed after laying without replacing the surface.	Can be easily accessed for maintenance, with same blocks being re-used afterwards.
Durability	Prone to cracks which cannot be repaired without replacing the surface.	High durability; blocks if cracked can be replaced individually at any time.
Rain Effect	No ground water percolation; leads to water runoff into drains.	Percolation to base and subbase through joints, which can be increased substantially using Permeable Paving.
Monsoon Laying	Cannot be carried out during monsoon; surface gets damaged even if it rains within 8-10 hours of stamping	Can be laid even during the monsoon season
Cost	Higher cost for given area	Lower Cost for given area



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