



PAVERS AND BLOCKS MANUFACTURERS ASSOCIATION

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

COMPARISON BETWEEN NATURAL GRANITE / KOTA STONE AND CEMENT CONCRETE FLAG STONE

#	NATURAL GRANITE / KOTA STONE	CEMENT CONCRETE FLAG STONE
1	Granite/Kota Stones are slippery, particularly under wet conditions. Kota Stones are also uneven.	Concrete Flag Stones are uniform, have an even surface and are non-slippery under wet conditions.
2	Kota Stone is available only in one colour, i.e. greenish colour. Granite is available in various colours depending on its origin and hence with significant variation in cost.	Concrete Flag Stones can be manufactured in various colours like Dark Grey, Red, Yellow, Brown, as per choice. In fact, internationally, Concrete Flag Stones are used with different colours for superior aesthetics.
3	Granite/Kota Stones are mined naturally and hence there is no uniformity or consistency in their colours and shades.	Since Concrete Flag Stones are coloured by adding colour pigments to the concrete mix, there is uniformity in their colours and shades.
4	Granite/Kota Stones are brittle which results in cracks due to heavy moving loads or if heavy items fall on them. Besides, they cannot be obtained in high thicknesses.	Concrete Flag Stones are produced with high uniform density in a Vacuum Wet Press resulting in high strength and are unlikely to crack even under heavy loads. Besides, they can be produced up to 80mm thickness for heavy duty applications.
5	Granite and Kota Stones are mined products, mostly in forest areas. Thus, it is not environmentally friendly.	Concrete Flag Stone is environmentally friendly, as mine waste like quarry dust and stone aggregates are mixed with cement to produce a useful product.
6	Kota Stones need to be edge-cut before installation resulting in a lot of debris which need to be disposed at the site.	Concrete Flag Stones are moulded and finished in a Vacuum Wet Press with great dimensional accuracy. They require no cutting or any resulting debris.
7	Kota Stones need to be polished after installation, which requires skill and is very time consuming. This requires longer construction time and usually results in delays. In addition to this, a lot of waste sludge is formed during polishing which needs to be disposed off at site, creating further difficulties.	Concrete Flag Stones are precast pre-finished products which do not need polishing. Installation is very quick resulting in faster work completion and better finishing schedules without problems of sludge disposal.
8	Granite/Kota Stones are available in limited geographies and need to be transported to various locations from there resulting in substantial transportation costs.	Concrete Flag Stones are produced all over India, such as Delhi, Mumbai, Bangalore, Hyderabad, etc. and can be delivered to various locations at lower costs.

