



## Why Change ?

	GYVLON	Conventional Sand Cement
Productivity	✓ Easily up to 2000 m <sup>2</sup> per day	× Only 100 to 150 m <sup>2</sup> per day
How quickly can you walk on the floor?	✓ Within 24 to 48 hours ✓ Self Curing	× Should not be walked on for 7 days × Requires covering and curing
Joints	✓ 30—40 linear meters. ✓ Following building construction joints.	× Can be laid in small bays of between 5-7 linear meters
Performance	✓ Very low shrinkage ✓ Minimal cracking ✓ Will not curl	× Shrinks × Cracks × Curls
Surface Finish	✓ Easily achieves SR2 under BS 8204	× Dependant on contractor × Curls and cracks at joints
On Insulation	✓ No reinforcement required ✓ 40mm minimum thickness in commercial buildings. ✓ 35mm minimum thickness in domestic buildings.	× D49 or fibre reinforcement × 65mm minimum thickness
Average Drying Times	✓ 40 days at 40mm ✓ Dependant on site conditions ✓ Can be force dried after 7 days	× 9 weeks at 65mm thickness × Dependant on site conditions × Must dry naturally × Should be cured for one week
Unbonded Floor Construction	✓ Polythene laid directly to substrate minimal preparation ✓ No reinforcement ✓ 30mm minimum thickness	× D49 or fibre reinforcement × 50mm minimum thickness
Quality Control	✓ Produced under BS EN 13454	× Often mixed on site by hand with poor quality control × Inconsistent quality
Installation	✓ Self compacting	× Requires thorough compaction, one of main reasons of failure
Environmentally friendly	✓ Contains 98% recycled material	× Cement manufacture uses 1.5 tonnes / ton of cement
Health & Safety	✓ Ergonomically friendly installation ✓ No cement burns	× Very labour intensive
Underfloor Heating	✓ High thermal conductivity ✓ Reduced cover to heating elements	× Low thermal conductivity
Cost	In most applications Gyvlon gives cost / time savings over traditional hand applied sand and cement screed.	



greenspec®

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