

# Why Choose Us



**GYPSOL** Self Compacting Free Flowing Floor Screeds are available from a range of quality assured readymix suppliers throughout the United Kingdom. This makes the choice easy. However it is useful to compare **GYPSOL** floor screeds with traditional systems in the market. This table helps to ensure that you are selecting **GYPSOL** floor screeds for sound commercial and technical reasons.

Consideration	<b>GYPSOL</b>	<b>1:4 Cement:Sand Screed</b>
Productivity	✓ Up to 2000m <sup>2</sup> per day	✗ Typically 100 to 150m <sup>2</sup> per day
Quality	✓ BS EN 13454	✗ Often Site Mixed with poor and erratic quality control
	✓ BS EN 13813	✗ No specific manufacturing standard if site mixed
	✓ BS EN 8204-7:2003	
Traffic	✓ No Curing Required	✗ Should be cured under polythene for 7 days
	✓ Can be walked on after 24–48 hours	✗ Foot Traffic after 7 days
	✓ Can be loaded after 7 days	✗ Loading after 28 days
Health and Safety	✓ Little manual handling	✗ High level of manual handling, lifting and twisting
	✓ Ergonomically advantageous installation	✗ High level of joint wear and tear for installers
	✓ Reduced risk of burns and dermatitis	✗ Portland cement can lead to burns and dermatitis
	✓ Self Compacting	✗ Requires thorough compaction
Cost	✓ Lower material costs	✗ Higher material cost
	✓ High productivity	✗ Low productivity
	✓ Most installations will offer cost and time savings	
Installation	✓ By trained and approved installers	✗ By anyone regardless of skill level or training
Floating on insulation	✓ Minimum depth 35mm (see technical data sheet)	✗ Minimum depth 65mm
	✓ Requires no reinforcement	✗ D49 mesh or PP fibres required
Unbonded construction	✓ Minimum depth 30mm	✗ Minimum depth 50mm
	✓ Requires no reinforcement	✗ D49 mesh or PP fibres required
Bonded construction	✓ Minimum 25mm	✗ Minimum 40mm
Surface Finish	✓ Easily achieves SR2	✗ Dependent on installing contractor.
	✓ Can achieve SR1 with care (less need for smoothing compounds)	✗ Shrinks Cracks and Curls
	✓ Does not curl and resistant to cracking	✗ Requires many joints
	✓ Requires few joints	
Drying Rate (dependent on site conditions)	✓ 1mm per day up to first 40mm + 0.5mm per day there over	✗ 1mm per day (1 week curing + 11 weeks drying at 75mm)
	✓ Can be force dried as early as 7 days	✗ Cannot be force dried
Environmental	✓ Low CO <sub>2</sub> emissions	✗ High CO <sub>2</sub> emissions
	✓ Reduced materials so reduced embodied energy	✗ Higher embodied Energy
	✓ High recycled content	
Underfloor Heating	✓ Thinner Screed allows Thicker Insulation	✗ Thicker Screed means Thicker floor section
	✓ High Thermal Conductivity so lower energy input	✗ Low Thermal conductivity
	✓ Reduced cover to heating pipes means reduced thermal lag and rapid response times	✗ Greater Thermal Lag up to 8 hours heat up time
	✓ Self compacting and full pipe encapsulation so void free	✗ Difficult to compact under pipes leading to voids
Uses	✓ Available for use in all construction types including timber frame, lightweight steel frame, traditional masonry, modular construction, concrete and steel frame	✗ Only available for limited construction types
Acoustics	✓ 80kg/m <sup>2</sup> at just 40mm	✗ Minimum 65mm required in most systems
	✓ Uniform Density across floor section	✗ Variable Density leads to non uniform performance
	✓ Few Joints	✗ Many Joints lead to sound transmission pathways