



Road & Rail Embankments

With its high strength-to-weight ratio and ability to withstand mechanical loads, S and B fill can assist in reducing the pressure on soils when taking into account the high unacceptable loadings that can be present, whilst offering a proven economical alternative to piled construction.

S and B fill offers a cost effective lightweight solution that takes away the problem of unacceptable stresses encountered when using traditional fill materials and reduces the probability of settlement.

Traditional fill materials can be liable to unacceptable settlement when used on railway embankments.

Noise Bunds & Landscaping

S and B fill offers a fast cost effective method of building noise bunds to eliminate sound transfer by means of erecting a barrier between road traffic noise and housing, whilst offering the advantage of a 1% weight ratio to that of traditional materials.

S and B fill when used in landscaping, with its high strength-to-weight ratio, can elevate the pressures on underlying structures and services in both soft and hard landscaping.

Cylindrical Void Fillers

S and B fill, with its versatility, can be cut into many bespoke shapes including cylinders that are a major feature of voided concrete structures such as elevated motorways and bridges.

It is widely used to produce sloping ramps in the construction of car parks, for flotation and barriers in marinas raised floors, sloping auditoriums, shuttering, pile locators, pile in-fills, curved or circular walls etc.

S and B Grade	Fill 21	Fill 45	Fill 70	Fill 90	Fill 100	Fill 190
To BS EN 14933:2007						
Compress Strength at 1% compression [kPa]	21	45	70	90	100	190
Compress Strength at 10% compression [kPa]	70	100	150	200	250	500
Cross breaking strength bending strength [kPa]	115	150	200	250	350	750
Shear strength [kPa] in correlation to bending strength	55	75	100	125	170	375
Nominal density [kg/m ³]	15	20	25	30	35	55
Other Physical properties						
Compress Modulus [Mpa]	2.0	4.5	7.0	9.0	10.0	19.0
Compress Modulus [kN/m ²] at 1% compression	2,000	4,500	7,000	9,000	10,000	19,000
Thermal conductivity value [W/mk]	0.038	0.0360	0.0350	0.0340	0.0330	0.0330
Max depth of concrete [mm]	830	1,875	2,915	3,750	4,165	7,915



Recycling

EPS is 100% recyclable and any left over waste we offer a 'Waste Recycling Scheme' ask one of our team.



Contact Us

Feel free to drop us a call or an email and one of our helpful staff will be happy to answer any questions or queries.



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