

# Product Data Sheet

## Ecofill 50

Ecofill **50** is a Class 9 stabilised material produced and tested to the Standards for Highways, Manual of Contract Documents for Highways Works (MCHW) Volume 1, Specification for Highway Works 600 Series and/or Hydraulically Stabilized Soil in accordance with BS EN 14227-15.

Ecofill **50** is non-frost susceptible and when compacted, will cure and achieve a stiffness modulus of **30% CBR** or 150MPa.

Ecofill **50** can be used as in the same layers as Ecofill **75** however, due to its higher stiffness modulus, it can also be used as the **subbase layer in non-adoptable earthworks structures.**

## Ecofill 75

Ecofill **75** is a Class 9 stabilised material produced and tested to the Standards for Highways, Manual of Contract Documents for Highways Works (MCHW) Volume 1, Specification for Highway Works 600 Series and/or Hydraulically Stabilized Soil in accordance with BS EN 14227-15.

Ecofill **75** is non-frost susceptible and when compacted, will cure and achieve a stiffness modulus of **15% CBR** or 100MPa.

Ecofill **75** can be used as **capping and fill** layers for earthworks structures and in **adoptable Highways.**

## Ecofill HD

EcoFill **HD** (Heavy Duty) is a Hydraulically Bound Mixture produced to SHW 800 Series Clauses 830, 831 or 832 and BS EN 14227- 5. EcoFill **HD** has a typical compressive strength of **C8/10+** and is non-frost susceptible.

Ecofill **HD** can be used as **Capping, Fill, Subbase and Base** layers in earthworks structures and in **adoptable Highways.**

\*Through unique binder formulation & tailored pavement design, we are able to achieve optimum efficiency in road layer thicknesses in line with National Specifications for Highways & Earthworks

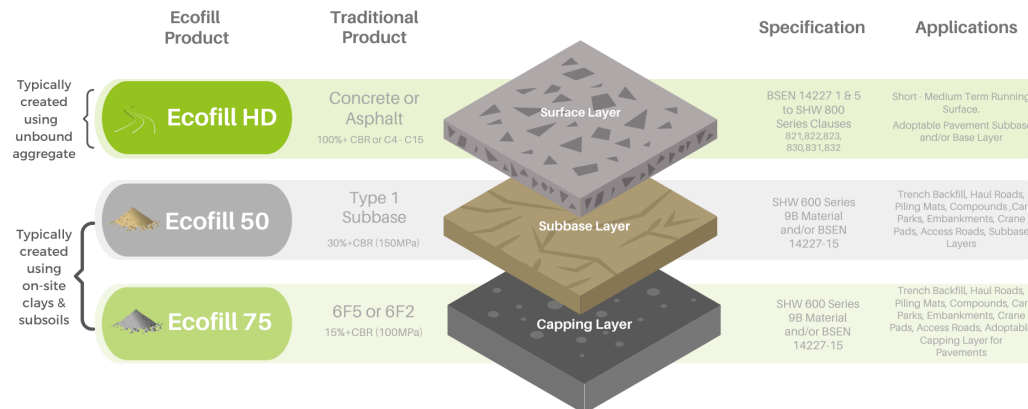
### Ecofill 75/50

Material Property	Requirement	Standard
California Bearing Ratio (CBR)	Ecofill 75 = CBR15 Ecofill 50 = CBR30	EN 13286-47
Particle Size Distribution	S <sub>63</sub> And Grading Requirements Of a 7E or 7F Material As Per SHW 600 Series	EN 933-1
Optimum Water Content Determined In Accordance With Selected Method Of Compaction	W <sub>0.95</sub>	EN 13286-2 to 5
Frost Heave	Non Frost Susceptible	BS 812: Part 124
Degree of Pulverization	P <sub>30</sub>	EN 13286-48
Strength At Trafficking	Ecofill 75 = 15%+ CBR or 100MPa+ Ecofill 50 = 30%+ CBR or 150MPa+	n/a
Linear Swelling After Soaking In Water	LS <sub>5</sub>	EN 13286-47
Organic Matter	<2%	BS 1377-3
Immediate Bearing Index	IP <sub>15</sub>	EN 13286-47
Moisture Conditional Value	MCV <sub>9/15</sub>	EN 13286-46
Workability Period	Up to 10 Calendar Working Days	EN 933-1

### HOW OUR PRODUCTS COMPARE



#### Product Range



### Ecofill HD

Mixture Property	Requirement	Standard
Aggregate Selection	Meets Requirements of BS EN 13242	BS EN 13242
Aggregate Composition Including Organics	Maximum foreign material 1% Maximum glass content: 40%	Visual Sorting Of The Plus 8 mm Fraction (SHW clause 710)
Compressive Strength	Specified Range of Strength Determined At 28 Days Age	BS EN 13286 part 41
Particle Size Distribution	0/31.5 mm	BS EN 933 part 1
Workability Period	4 Days	BS EN 13286 part 45
Water Content Of Mixture	W <sub>0.95</sub>	EN 13286-2 to 5
Frost Heave	Non Frost Susceptible	BS 812 part 124
Strength After Immersion	I <sub>0.8</sub>	R <sub>i</sub> /R Ratio, Determined In Accordance With Clause 980
Immediate Bearing Index	IP <sub>25</sub>	BS EN 13286-47



T: 0333 772 9326 | W: www.ecofill.uk | E: info@ecofill.uk

A: Ecofill Ltd, Brookfield Court, Selby Road, Carforth, Leeds, LS25 1NB | Company No 12902866 | Vat No 370 9245 80

Build A Better Future