



57 Structural Soil

Key Benefits

- Provides structural base and growing media for vegetated vehicular traffic areas
- Affordable alternative to manufactured grids or mats

Applications

- Vegetated road shoulders
- Vegetated fire lanes and overflow parking areas
- Vegetated areas designated for light-vehicular traffic

Helpful Hints

Engineer should determine appropriate application and depth of structural soil required

Composition	VDOT 57 crushed aggregate Screened Topsoil
Bulk Density <i>prior to full compaction</i>	1.7 tons/yd ³ (approximate) <i>assumes moderate compaction and average moisture</i>

Typical Analysis

	Standard Proctor	Modified Proctor
Maximum Dry Density	124.7 pcf	128.3 pcf
Optimum Moisture Content	9.7%	8.4%
CBR, @ 53 blows, 0.10 in.	31.3%	51.6%
CBR, @ 53 blows, 0.20 in.	41.0%	58.6%

Particle Size Distribution

Mesh Size	% Passing
1"	100.0
3/4"	98.0
1/2"	83.5
3/8"	77.2
#4	64.7
#8	60.4
#16	56.6
#30	52.3
#40	49.7
#50	45.3
#100	34.2
#200	20.6



These products are mixes of natural materials, so results may vary.
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www.luckecosystems.com