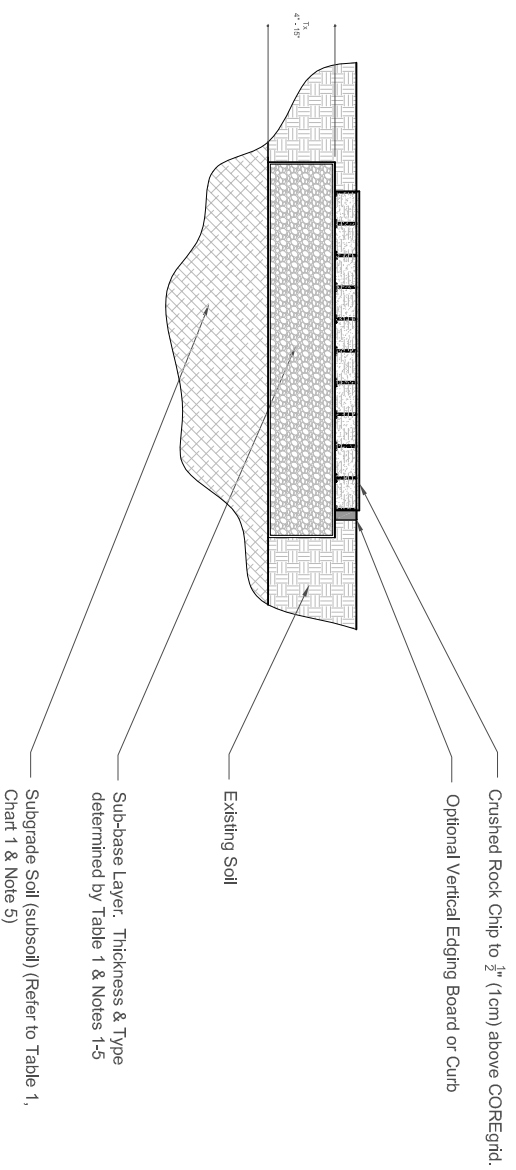


1 CORE™ 60-40 : Surface Paving Grid
Scale : N.T.S.



2 CORE™ 60-40 : Gravel Surface: Typical Construction Profile
Scale : N.T.S.

Table 1 : Typical Sub-base Thickness (Tx) Requirements - refer to 2 Typical Construction Profile

APPLICATION LOAD	CBR (%) STRENGTH OF SUBGRADE SOIL	(Tx) DOT SUB-BASE THICKNESS (mm & inches) (see Notes 1-5)
Five trucks, Coaches and occasional HGV/access	≥ 6 $= 4 < 6$ $= 2 < 4$ $= 1 < 2$	150mm 180mm 285mm 570mm
Light vehicle access and overspill car parking	≥ 6 $= 4 < 6$ $= 2 < 4$ $= 1 < 2$	150mm 150mm 202.5mm 390mm

Table 2 : Paving Grid Specification

Description	Data
Product	CORE™ 60-40
Material	80% Recycled Polypropylene
Color options	Black, Grey, Green, Blue
Paver dimensions	45.5" x 39.4" x 1.5" (1150 x 1000 mm)
Nominal internal cell size	2.4" (60 mm)
Structure Type	Rigid-walled, flexible semi-closed cell
Cell wall thickness	99 mil (2.5 mm)
Weight (per square meter)	1.7 lbs (0.8 kg)
Length of a roll	> 2000 ft (600 m)
Crush Resistance (unfilled)	200 tons
Basal support & Anti-Shear	Integral 5.5" (140 mm) long section ground spikes
Open cell %	Top 94% / Base 72%
Connection type	Interlocking built-in T connector
Chemical resistance	Excellent
UV resistance	Non Toxic
Trafficability	Non Toxic
Paver fill	1/2" to 3/8" clear, crushed aggregate to 1/2" (1 cm) over top of grid surface
Sub-base type	DOT Class 5 or a modified permeable class 7 reduced fines sub-base (Table 1 & Notes 1-5)
Sub-base reinforcement	Geogrid optional

- Note 1: A subbase (i.e. Class 5 Aggregate) may be used provided that an adequate drainage system is installed. Alternatively, a permeable / open-graded / reduced fines subbase layer may be specified as per Table 1.
- Note 2: Where drains are omitted and a reduced fines subbase is specified for LIDNPPDES this must be covered with either a geotextile fabric (available from us or others) and/or a clean, suitably graded gravel blanket to avoid the bedding layer leaching into the subbase.
- Note 3: Specific advice on CBR%, strengths, ground conditions and construction over weak ground with a CBR less than 1%, is available upon request. CBR% = California Bearing Ratio, a measurement of subgrade soil strength.
- Note 4: If required, typical drainage systems (not pictured) use 4" diameter perforated pipe drains laid at minimum gradient 1:100, bedded on gravel in trench backfilled with covered with a geotextile fabric, pipes leading to a suitable outlet or dry well. Drains installed down center or one edge of areas up to 16' wide. Wider areas may require additional lateral drains at 16'-32' centers. Drainage design should be determined by specific site conditions.
- Note 5: Drainage for a LIDNPPDES application will vary according to the site but generally omits the requirement for extensive pipe and trench drainage systems within the subbase layer and may require an additional layer of geotextile fabric at base of construction.
- Note 6: Paver fill must be a free-draining (no fines), structurally sound aggregate.
- Note 7: Maximum advised gradient for traffic applications: 1:26 (1:6) 7" slope uses of specific pegging points if required for steep slope applications. Pegging is not necessary for standard access.
- Please note that the information above is given as a guide only. All sizes and weights may vary to what is published.

Chart 1 : Field guidance for estimating sub-grade strengths

Consistency	Indicator		Strength	
	Tactile (feel)	Visual (observation)	Mechanical (test)	CU
Very Soft	Hand sample squeezes through fingers	Man standing will sink > 3"	SPT <2	<25
Soft	Easily moulded by finger pressure	Man walking sinks 2-3"	2-4	25-40
Medium	Moulded by moderate finger pressure	Man walking sinks 1"	4-9	40-75
Firm	Moulded by strong finger pressure	Utility truck ruts 0.5" - 1"	8-15	40-75
Stiff	Cannot be moulded but can be indented by thumb	Loaded construction vehicle ruts by 1"	15-30	75-150