



Grasscrete®

Re-Usable Formers

The Re-Usable Former is a rotational cast rigid tool designed to create a series of voids in structurally reinforced concrete slabs. Wire mesh is first laid over a compacted granular sub-base. The Formers are then laid over the wire mesh, then the wire mesh is chaired off the sub-base. Concrete is placed over the Formers and worked into the voids with stiff brooms. The Formers are then removed while the concrete is in the plastic phase prior hardening leaving the desired voids.



Reusable Formers Positioned over Wire Mesh with Chairs



Pouring Concrete over Formers



Working Concrete into Formers



Pulling Formers after Initial Set



Finished Installation Ready for Soil and Grass



Cleaning Formers for next Project



Installation Ready for Soil and Grass

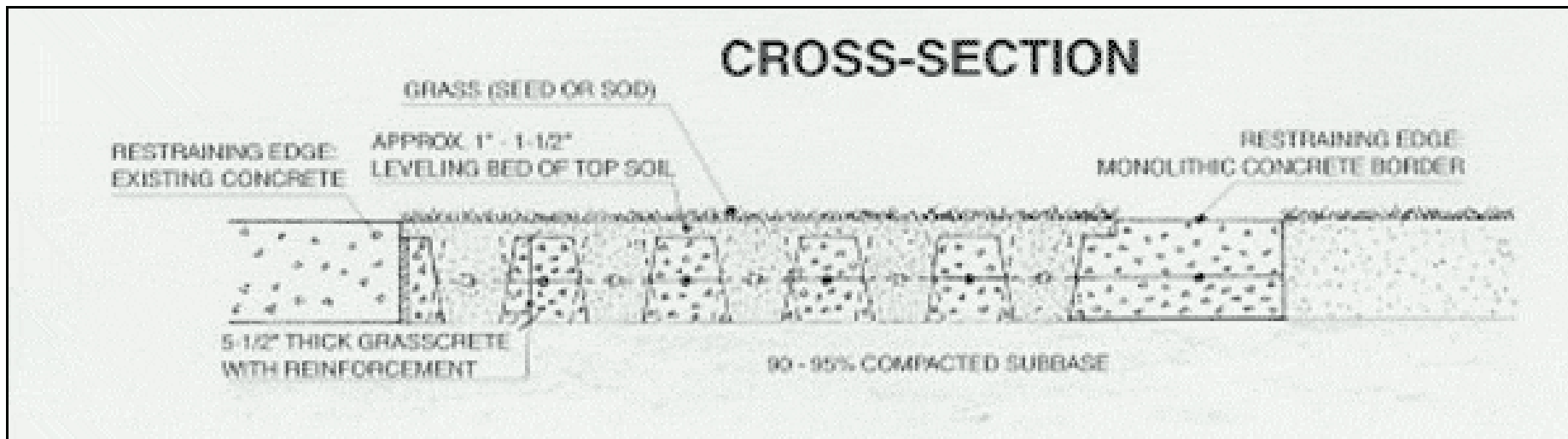


Once the Concrete has cured to the point where it can bear the weight of equipment, soil or sand or a combination of both is worked into the concrete voids. Additional soil is spread over the surface 1"-2" thick and seeded or sod is applied.



A typical Re-Usable Grasscrete Former installation is 5 ½” thick concrete reinforced with 6x6 1.4x1.4 wire mesh for light duty applications with 6x6 2.9x2.9 or greater for heavy duty applications. The compressive value of the concrete can also be increased from the typical 3500 PSI for heavier applications.

A concrete curb or border is typically cast at the perimeters of the pour reinforced with a single #3 bar. This curb can be poured at the finished grass height and used to distinguish the perimeter of the Grasscrete installation for emergency access installations.



This is an example of a typical Grasscrete installation with a perimeter band of concrete. The Re-Usable Formers are intended for Grasscrete installations required as emergency access or periodic access such as window washing equipment or maintenance vehicles.



This is an example of a Grasscrete installation intended for emergency access that was put into service as a delivery route for large trucks. The grass was removed by the maintenance staff with the soil left in place. For regularly trafficked applications such as this the Bomanite Molded Pulp Former is recommended.



Some installations use graded crush stone to fill the voids rather than soil or sand. The tops of the concrete can be somewhat irregular in shape so this would be for a purely functional application predominately for vehicular traffic. The Bomanite Molded Pulp Formers would be recommended for this use over the Re-Usable Formers.



The Re-Usable Grasscrete product functions well in all environments provided that the correct varieties of grass are utilized. It is recommended that in dry environments a robust grass with good drought tolerance is utilized along with a moisture retaining additive in the sand or soil. Periodic to regular irrigation is required dependant upon conditions.



Broomfield, Colorado

The Grasscrete Re-Usable Former product has been in use in the United States for over 20 years. There has been substantial testing done with various regulatory bodies to approve the product for emergency access. The product has proven out to be the most robust on the market with no settling issues associated with pre-cast or plastic unit materials or rutting from high speed vehicle use. The structural properties of Grasscrete is not dependant upon the grass roots or other binders/stabilizers.



Fire Appliance Testing, Fresno, California, USA



Fire Appliance Test, Fresno, California, USA





Grasscrete®

For more information visit:

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