CORE Grass 60-40

Product Specification – CSI Format
CORE GRASS
January 2025

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This specification utilizes the Construction Specifications Institute (CSI) format, including MasterFormat (2020 Edition), SectionFormat, and PageFormat as contained in the CSI Practice Guide.

SECTION 32 13 55

CORE GRASS – INJECTION MOLDED POLYPROPYLENE, CLOSED CELL HONEYCOMB TURF STABILIZING SYSTEM FOR POROUS GRASS SURFACES

PART 1 GENERAL

1.01 SUMMARY

The CORE Grass turf stabilizing system is a rigid, permeable surface suitable for pedestrian pathways, walkways, patios, courtyards, as well as heavy-duty vehicular driveways and parking.

1.02 REFERENCES

ASTM D1621 – Standard Test Method for Compressive Properties of Rigid Cellular Plastics

1.03 SYSTEM DESCRIPTION

The CORE Grass system consists of UV-stabilized, blend of recycled and virgin polypropylene (PP) honeycomb grid panels filled with Structural Soil to create a reinforced grass surface that is load-bearing and permeable.

System Components:

- CORE Grass honeycomb grid panels
- Structural Soil mix for cell infill
- Optional edge restraints

1.04 SUBMITTALS

- CORE Grass Detail Sheet / Plan Profile
- CORE Grass Design and Install Guide

1.05 QUALITY ASSURANCE

- Manufacturer: ISO 9001:2015 Certified
- Installer Qualifications: Proven experience on similar scale turf stabilization or paving projects

1.06 DELIVERY, STORAGE AND HANDLING

- Delivery: In manufacturer's labeled packaging
- Storage: Store indoors or out of direct sunlight
- Handling: Overfill cells prior to any load-bearing use; exercise care during handling and installation

PART 2 PRODUCTS

2.01 MANUFACTURER

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2750 Cumberland Rd
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2.02 CORE GRASS PANELS

Product: CORE Grass Turf Stabilizer Panel

- Dimensions: ±45" x ±39" x 1.6" (1.15 m x 1.0 m x 40 mm) [Medium]
- Optional Jumbo Panel: 2x Medium panel size
- Material: Injection molded blend of virgin & recycled polypropylene, UV-stabilized
- Colour: Green
- Loading Capacity: > 300 tons/m2; > 430 psi (filled)

2.03 INFILL MATERIALS

- Structural Soil: As per Structural Soil recipe provided
- Method: Fill and compact cells; reapply to 10 mm above cell top
- Grass Options: Apply grass seed, hydroseed, or sod over compacted soil
- Establishment Period: 4–6 weeks before use

PART 3 EXECUTION

3.01 EXAMINATION

- Verify site conditions match plans
- Confirm proper compaction and drainage of subgrade
- Notify Engineer of discrepancies

3.02 INSTALLATION

Subgrade Preparation:

- Excavate and grade to elevations and slopes shown
- Ensure positive drainage away from structures
- Minimum subsoil depth: 2" – 2.75"

Base Preparation:

- Clear area of rocks, wood, and debris
- Allow 50 mm total for panel (40 mm) and top layer (10 mm)
- Verify elevation and compaction of horticultural subsoil

Panel Placement:

- Begin installation at fixed edge or corner
- Panels interlock; use connectors as needed
- Panels may be cut to shape using shears or fine-tooth saw
- Wear protective gloves

Infill & Compaction:

- Overfill grid cells with Structural Soil
- Compact infill thoroughly
- Final surface should be 10 mm above grid

Edge Restraints:

- Optional: Metal, plastic, or concrete edge restraints or curbingPost-Placement:
- Snow Removal: Plastic shovel or blade
- De-icing: Salt permitted

END OF SECTION 32 13 55