PLEASE PLANT

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Product 2.6: Anti-Slip Surfaces | GEO-SLP

SECTION 057313 – ANTI-SLIP SURFACES
PART 1 – GENERAL

1.1 SUMMARY
A. Section Includes: Anti-slip surface solutions for stairs, ramps, walkways, and industrial platforms to enhance safety and durability in high-traffic environments.
B. Related Sections:
Section 055000 – Metal Fabrications for structural components supporting anti-slip surfaces.
Section 033000 – Cast-in-Place Concrete for compatible substrate preparation.

1.2 REFERENCES
A. ASTM C1028 – Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method.
B. ASTM B117 – Standard Practice for Operating Salt Spray (Fog) Apparatus.
C. ASTM E84 – Standard Test Method for Surface Burning Characteristics of Building Materials.

1.3 SUBMITTALS
A. Product Data: Include product specifications, material options, and performance ratings.
B. Shop Drawings: Provide details of dimensions, thickness, and installation configurations.
C. Samples: Submit material and finish samples for review and approval.

1.4 QUALITY ASSURANCE
A. Manufacturer Qualifications: Minimum of 5 years' experience producing anti-slip surfaces for safety-critical applications.
B. Installer Qualifications: Certified professionals with experience in installing anti-slip surfaces.

1.5 DELIVERY, STORAGE, AND HANDLING
A. Protect anti-slip panels from damage during shipment and storage.
B. Store materials in a clean, dry area with ventilation to prevent corrosion or warping.

1.6 WARRANTY
A. Provide manufacturer's standard warranty, including an 8-year structural warranty, 3 years on coatings and finishes, and 2 years on components. Consult terms and conditions for full warranty details per product type.

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PART 2 – PRODUCTS

2.1 MANUFACTURER
A. Please Plant, 200-100 Park Royal S, Vancouver, BC
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2.2 ANTI-SLIP SURFACES
A. Product Nomenclature: GEO-SLP-[Material Code]-[Finish Code]-[Thickness]
Material Code: AL (Aluminum), SS (Stainless Steel), COM (Composite).
Finish Code: AS (Anti-Slip Coating), TP (Textured Plate), EMB (Embedded Grit).
Thickness: Specify in millimeters (e.g., 3MM, 5MM).
Example: GEO-SLP-AL-AS-5MM (Aluminum anti-slip surface, anti-slip coating, 5mm thickness).

2.3 MATERIALS
A. Base Materials:
Aluminum: Lightweight, corrosion-resistant, suitable for outdoor and coastal environments.
Stainless Steel: High-strength, durable, and hygienic for industrial applications.
Composite: Eco-friendly and lightweight for enhanced slip resistance.
B. Performance Standards:
Slip Resistance: Exceeds ASTM C1028 requirements.
Corrosion Resistance: Tested to exceed ASTM B117 standards for salt spray durability.
Fire Rating: Meets ASTM E84 Class A standards.
C. Finish Options:
Anti-Slip Coating: For enhanced durability and aesthetic appeal.
Textured Plate: Designed for high foot traffic and heavy-use applications.
Embedded Grit: Maximizes traction in wet or oily conditions.

2.4 DIMENSIONS AND CUSTOMIZATION
A. Dimensions:
Thickness: 3mm, 5mm, 7mm, or custom upon request.
Panel Sizes: Up to 48" x 96" standard, with custom sizes available.
B. Customization Options:
Cut-to-size panels for unique layouts.
Pre-drilled holes for easy installation.
Color finishes for aesthetic integration or high-visibility zones.

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PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify that all substrates are clean, dry, and capable of supporting the specified anti-slip surface system.
B. Confirm dimensions and installation layout with approved shop drawings.

3.2 INSTALLATION

A. General Installation:
Install panels in accordance with manufacturer's guidelines.
Ensure proper alignment and secure fastening for seamless transitions.
B. Attachment Methods:
Use mechanical fasteners, adhesives, or a combination of both for optimal adherence.
Follow manufacturer recommendations for fastener spacing and adhesive application.
C. Tolerances:
Maintain a maximum alignment tolerance of ±1/8" between adjacent panels.

3.3 CLEANING AND MAINTENANCE

A. Cleaning:
Use mild detergent and water to clean surfaces regularly.
Avoid abrasive tools or harsh chemicals that may damage coatings.
B. Maintenance:
Inspect surfaces periodically for wear or loose fasteners.
Repair or replace damaged sections promptly to maintain safety.

3.4 PROTECTION

A. Protect installed surfaces from damage during construction until the project is completed.

END OF SECTION