PLEASE PLANT

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Product 2.7: Tile Solutions | GEO-TIL

SECTION 093000 – TILE SOLUTIONS
PART 1 – GENERAL

1.1 SUMMARY
A. Section Includes: Tile solutions for walls, floors, and facades in commercial, institutional, and residential settings.
B. Related Sections:
Section 035400 – Cementitious Underlayment for substrate preparation.
Section 092900 – Gypsum Board for wall substrates requiring tile application.

1.2 REFERENCES
A. ASTM C373 – Standard Test Method for Water Absorption, Bulk Density, Apparent Porosity, and Apparent Specific Gravity of Ceramic Tiles.
B. ASTM C1028 – Standard Test Method for Determining the Static Coefficient of Friction.
C. ASTM E84 – Standard Test Method for Surface Burning Characteristics of Building Materials.

1.3 SUBMITTALS
A. Product Data: Provide manufacturer's product specifications, installation instructions, and finish options.
B. Shop Drawings: Submit detailed layouts, tile patterns, and joint locations.
C. Samples: Provide material and finish samples for review and approval.

1.4 QUALITY ASSURANCE
A. Manufacturer Qualifications: Minimum of 5 years' experience in producing commercial-grade tile solutions.
B. Installer Qualifications: Certified professionals with proven expertise in tile installation.

1.5 DELIVERY, STORAGE, AND HANDLING
A. Protect tiles from moisture, damage, and contamination during shipment and storage.
B. Store tiles on flat, dry surfaces with adequate ventilation.

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 TILE SOLUTIONS

A. Product Nomenclature: GEO-TIL-[Material Code]-[Finish Code]-[Size]
Material Code: CER (Ceramic), POR (Porcelain), NAT (Natural Stone), GL (Glass).
Finish Code: MAT (Matte), GLZ (Glazed), TXR (Textured), POL (Polished).
Size: Specify dimensions in inches (e.g., 12X12, 24X24).
Example: GEO-TIL-POR-TXR-24X24 (Porcelain tile, textured finish, 24"x24").

2.3 MATERIALS

A. Tile Materials:
Ceramic: Affordable and versatile for light traffic and wall applications.
Porcelain: High density and wear resistance for heavy traffic and outdoor use.
Natural Stone: Premium aesthetic for upscale interiors and exteriors.
Glass: Decorative and reflective for accent walls or backsplashes.
B. Performance Standards:
Water Absorption: Meets ASTM C373 requirements for water resistance.
Slip Resistance: Tested to exceed ASTM C1028 standards.
Fire Rating: Certified to ASTM E84 Class A.
C. Finish Options:
Matte for modern aesthetics.
Glazed for enhanced stain and moisture resistance.
Textured for slip resistance in wet areas.
Polished for high-end, reflective finishes.

2.4 DIMENSIONS AND CUSTOMIZATION

A. Standard Sizes:
Dimensions: 12"x12", 18"x18", 24"x24", or custom sizes available.
Thickness: 6mm, 8mm, 10mm, or custom thicknesses upon request.
B. Customization Options:
Pre-cut tiles for intricate layouts or mosaics.
Custom shapes and patterns.
Color-matched grout options.

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PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify that all substrates are clean, level, and moisture-free.
B. Confirm compliance with shop drawings and installation guidelines before proceeding.

3.2 INSTALLATION

A. General Installation:
Apply appropriate adhesive or mortar as recommended for the selected tile material.
Use spacers to ensure consistent grout joints.
Grout joints evenly after tiles are securely set.
B. Alignment:
Align tiles per layout drawings to maintain a uniform appearance.
Ensure flush alignment for edges and corners.
C. Cleaning:
Remove excess grout immediately to prevent staining.

3.3 CLEANING AND MAINTENANCE

A. Cleaning:
Use pH-neutral cleaners for routine maintenance.
Avoid abrasive tools and acidic solutions that may damage finishes.
B. Maintenance:
Inspect grout lines regularly and repair as necessary.
Check for loose or damaged tiles in high-traffic areas.

3.4 PROTECTION

A. Protect installed tiles from damage during construction activities until project completion.

END OF SECTION