



ECO ARBOR DESIGNS

FRP Gratings / Deck Turf

Deck Turf FRP Gratings

Eco Deck Turf FRP

RAISED DECKING SYSTEM DESIGNED BY ECO ARBOR DESIGNS

Fiberglass reinforced plastic (FRP) structural grating supporting artificial turf or your choice, porcelain pavers, stone or concrete pavers. Deck Turf FRP grating installs over our engineered elevated pedestal system or any other type of pedestal system you may have existing. Deck Turf is a strong fiberglass re-enforced grating system to be used as a substrate under your choice of surface material. The fiberglass grating creates a leveled and well drained floor over your existing roof top deck, with minimal contact to the water-proof surface.

Unlike similar grating systems made from plastics, or galvanized steel. FRP fiberglass grating will never break down, rot, rust or crack or bend when stepped on. We build the top mesh in 3/4" grating to provide a strong support that will not deflect or bend when walked on. Our panels install easily over your roof deck patio area where an elevated deck is required to reach your doorway thresholds.

When installing pavers over the mesh grating, each paver will be supported by our fixed height rubber spacer support. Since the floor is now level and water drains through it no sloping is required giving you a flat deck at any height. Create an area of artificial turf around a porcelain pavers or wood paver area giving you the flexibility of multiple types of surfaces in one roof deck. FRP fiberglass grating and artificial turf is a perfect compliment for our paver and pedestal decking on any roof deck environment. Our FRP grates are made in easy to handle 2'x4' panels that easily fit in freight elevators or on pallets.

The grates are easily to cut to fit any size or shape deck.

Specifications and Dimensions:

DECK TURF GRATING 1"

1" Deep X 1 1/2" X 1 1/2" under Mesh

3/4" X 3/4" Top Mini Mesh with sanded grip surface

Corrosion Resistant

Mold Resistant

24" X 48" panels for easy radius cutting

Load Bar Centers 1 1/2" - Load Bar width 1/4"

of Load Bars/Ft. of Width 8

Open Area 44 %

Approximate Weight 19 lbs/grate (2.5 lbs/sqft)

DECK PAVER GRATING 1.5" grating

1 1/2" Deep X 1 1/2" X 1 1/2" REGULAR Mesh NON

GRITTED SURFACE

24.25" X 48." for easy handling loading and pedestal installation

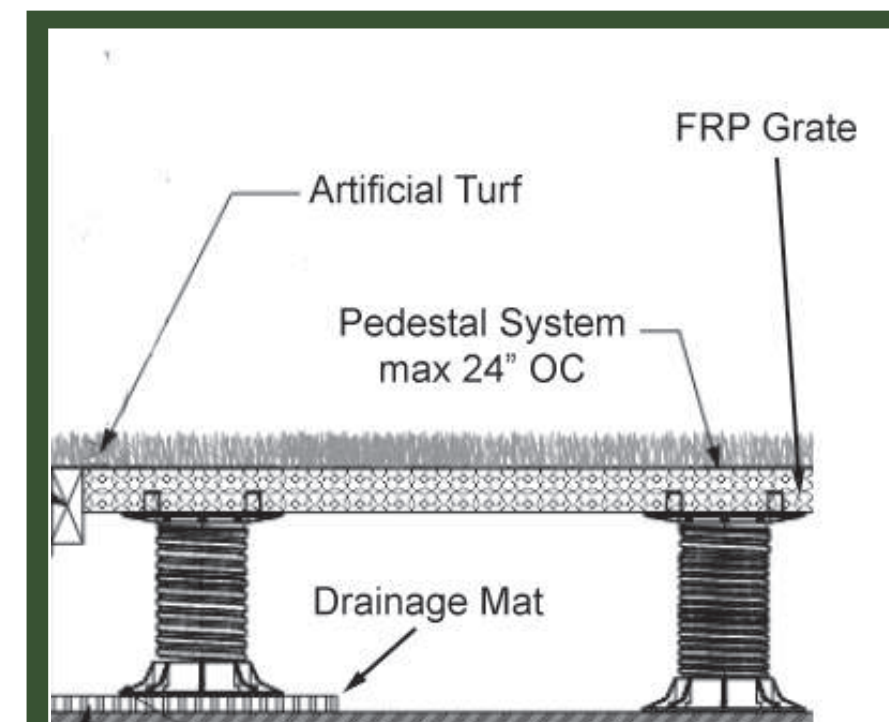
Approximate Weight 28 lbs/grate (3.8 lbs/sqft)

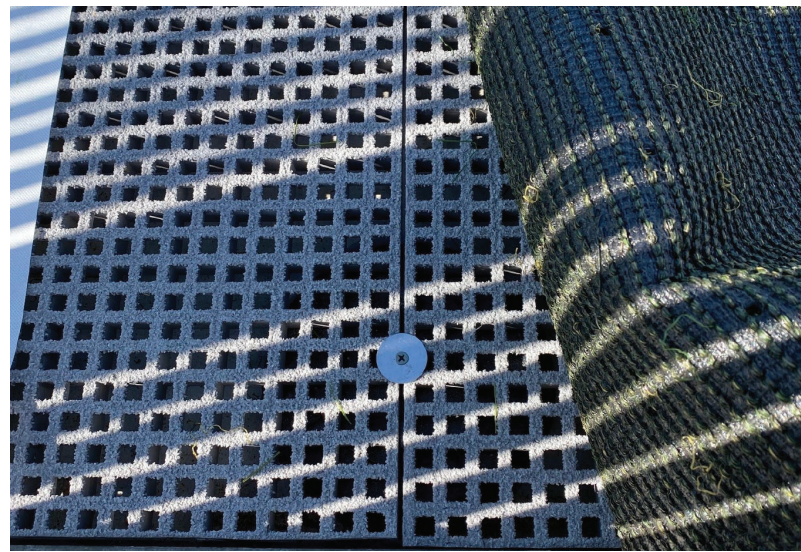
Load Bar Centers 1 1/2"

Load Bar width 1/4"

of Load Bars/Ft. of Width

Open area 70%





Deck Turf Grating Installed on pedestals with fender washer to secure to grating supports galvanized or stainless 1.5" stainless steel fender washer can be used



FRP grating with porcelain pavers on rubber Rise It fixed support pads



Deck Turf installed on foam block supports



Turf installed on Roof Deck in Los Angeles



Project US Department of defense plaza deck porcelain paver on FRP grating



Plaza deck with porcelain pavers over FRP grating

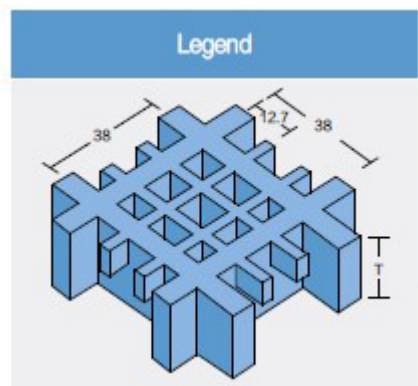
Load Bearing (and deflection) Table for 1.5" mini mesh grating

SPAN INCHES		LOAD								SAFE LOAD 5:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI
		50	100	150	200	250	300	400	500			
12	Δu	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	0.014	0.018	3120	0.111	1.24
	Δc	<0.010	<0.010	<0.010	0.011	0.014	0.017	0.023	0.028	1560	0.089	
18	Δu	<0.010	0.014	0.021	0.028	0.036	0.043	0.057	0.071	1386	0.197	1.57
	Δc	<0.010	0.015	0.023	0.030	0.038	0.046	0.061	0.076	1040	0.158	
24	Δu	0.021	0.042	0.063	0.084	0.104	0.125	0.167	0.209	780	0.326	1.69
	Δc	0.017	0.033	0.050	0.067	0.084	0.100	0.134	0.167	780	0.261	
30	Δu	0.047	0.094	0.141	0.188	0.235	0.283	0.377	0.471	496	0.467	1.83
	Δc	0.030	0.060	0.090	0.121	0.151	0.181	0.241	0.301	620	0.374	
36	Δu	0.096	0.192	0.288	0.384	0.480	0.576			347	0.666	1.86
	Δc	0.051	0.102	0.154	0.205	0.256	0.307	0.410	0.512	520	0.533	
42	Δu	0.175	0.350	0.525						251	0.881	1.89
	Δc	0.080	0.160	0.240	0.320	0.400	0.480	0.641	0.801	440	0.705	
48	Δu	0.287	0.573							170	0.975	1.97
	Δc	0.115	0.229	0.344	0.459	0.573	0.688			340	0.780	

Load Bearing (and deflection) Table for 1" mini mesh grating

SPAN INCHES		LOAD								SAFE LOAD 5:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI
		50	100	150	200	250	300	400	500			
12	Δu	<0.010	<0.010	0.013	0.017	0.021	0.025	0.034	0.042	1360	0.115	1.90
	Δc	<0.010	0.014	0.020	0.027	0.034	0.041	0.054	0.068	680	0.092	
18	Δu	0.021	0.041	0.062	0.082	0.103	0.123	0.164	0.205	666	0.274	1.98
	Δc	0.022	0.044	0.066	0.088	0.110	0.131	0.175	0.219	500	0.219	
24	Δu	0.064	0.128	0.192	0.256	0.320	0.384	0.512	0.640	380	0.486	2.01
	Δc	0.051	0.102	0.154	0.205	0.256	0.307	0.409	0.512	380	0.389	
30	Δu	0.155	0.309	0.464	0.619					240	0.742	2.03
	Δc	0.099	0.198	0.297	0.396	0.495	0.594			300	0.594	
36	Δu	0.318	0.635							160	1.016	2.05
	Δc	0.169	0.339	0.508	0.677					240	0.813	

MINI mesh open value 30%



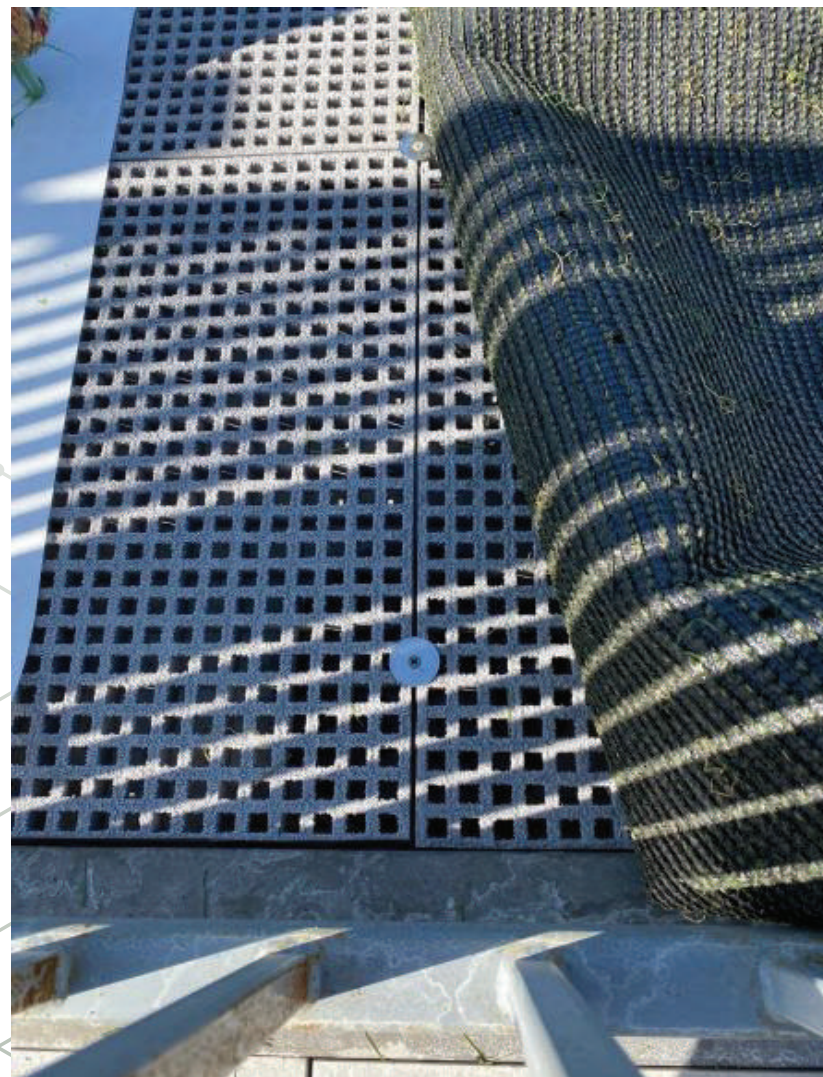
Roof deck turf around pool, Hollywood Hills, CA



Childrens Discovery Center ROOF DECK, Canton Ohio

Installation Guidelines

- 1) Space each pedestal 2 ft on center across the deck to prepare for the FRP grating to be mounted to each support. If heavy cement or stone pavers are being used a center support is recommended in the center of the 2 foot span. In other words a support every 1 foot.
- 2) Begin laying the FRP panels at your thresholds for doorways. Carefully move across the surface placing each panel and leveling each pedestal as you go. 1/16th rubber shims can be added on top or underneath the pedestal for additional cushioning or height.
- 3) Secure the panels where all four corners meet with a 1.5" fender washer and stainless or coated deck screw to the pedestal. This ensures there is no lifting of the corners which can occur in periods of the year with high heat.
- 4) Once the deck is complete with the FRP grating you are ready to roll out the turf or begin laying the pavers on rubber supports.



Pedestal Placement and Leveling



Completed FRP Deck Ready for Surface Material



Completed Deck

1.5" fender washer used to secure FRP grating to the top of each pedestal. Pedestal has a solid center allowing any deck screw to be used to secure panel to pedestal.





DECK Turf Safety Data Sheet

FOR MOLDED GRATING PRODUCTS AND MOLDED STAIR PRODUCTS

Section 1 - Product & Company Identification

Product	DECK Turf Fiberglass Grating 1.5 and mini Mesh panels
Manufacturer	ECO ARBOR DESIGNS INC 2525 San Clemente Ave Suite A Vista, CA 92084
Recommended Use	Structural Flooring Panel for raised floors

Section 2- Hazard(s) Identification

Classification	In accordance with 29 C.F.R. § 1910.1200, this product is an “article” and therefore not subject to the HCS 2012 SDS and labeling requirements. The information presented is for potential end use grinding, sanding, cutting, or other mechanical work of this product.
Signal Word	Warning
Pictogram	None
Hazard Statement	May form combustible dust concentrations in air
Precautionary Statements	None
Hazards Not Otherwise Classified	The grinding, drilling, sanding, cutting, or other mechanical working of this product may generate dusts that could act as a mechanical irritant to skin, eyes, and upper respiratory system. Vapors or products of thermal degradation generated by cutting or grinding may aggravate or cause respiratory conditions.

Section 3 - Composition/Information on Ingredients

Chemical Component	CAS Number	Percent
Polymerized Resin	None	30%-75%
Fiberglass	65997-17-3	25%-70%
Quartz Silica Sand (Present Within Anti-Slip Gritted Products Only)	14808-60-7	1%



DECK Turf Safety Data Sheet

FOR MOLDED GRATING PRODUCTS AND MOLDED STAIR PRODUCTS

Section 4 - First Aid Measures

Routes of Entry	Inhalation, skin, and ingestion
Signs & Symptoms of Exposure	Temporary irritation and itching to skin or eyes. Scratchiness or burning of the nose and/or throat if exposed to large amount of airborne dust from cutting or machining
Emergency & First Aid Procedures	Wash skin well without rubbing. For eyes, use a sterile solution and flood the eye area. Change clothing after exposure. Apply antiseptic to any abraded skin area.

Section 5 - Fire Fighting Measures

Extinguishing Media	Water; Foam/Type A, B, or C Extinguishers
Special Firefighting Procedures	Use Self-Contained Breathing Apparatus (SCBA) with full face mask operated in pressure mode.
Unusual Fire & Explosion Hazards	Burning FRP creates a complex mixture of solid, liquid, particulate, and gasses. Carbon monoxide and other organic compounds may be given off. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6 - Accidental Release Measures

Personal precautions, Protective	Non-sparking tools should be used. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air).
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Section 7 - Handling and Storage

Handling	Use personal protection equipment to minimize skin, respiratory and eye exposure to dust and fumes when cutting or grinding product. Do not rub or scratch skin if dust particles have accumulated on exposed skin. Wash all exposed skin areas thoroughly after cutting or grinding. Launder clothing separately and frequently to prevent skin exposure.
Fabrication of Product	Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Storage	No special storage conditions exist.

DECK Turf Safety Data Sheet

FOR MOLDED GRATING PRODUCTS AND MOLDED STAIR PRODUCTS

Section 8 - Exposure Controls/Personal Protection

Occupational Exposure Limits		Value
OSHA PEL		15mg/m3 (Nuisance Dust) Total
ACGIH TLV		10mg/m3 (Nuisance Dust) Total
Product	A NIOSH-MSMA approved dust mask for dusts and mists with PEL not less than 0.1 mg/M3 when cutting or grinding.	
Protective Gloves	Wear cloth gloves when handling product to prevent cuts, scratches, or abrasions.	
Eye Protection	Wear protective eyewear with side shield or ventilated goggles when cutting or grinding.	
Other Protective Equipment	Barrier cream and long sleeve shirts with closed collars, long pants or protective clothing may be worn to prevent dust exposure when cutting or grinding product.	
Ventilation	It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents, an explosion suppression system, or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.	



Section 9 - Physical and Chemical Properties

Property	Measurement
Appearance Physical State Color	Grey
Odor	Low to none
Odor Threshold	N/A
pH	N/A
Melting Point/Freezing Point	N/A
Initial Boiling Point	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability	N/A
Upper/Lower Flammability Limits	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Relative Density	1.5 - 2.0
Solubility	Not applicable
Partition Coefficient: n-octanol/water	Not applicable
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

DECK Turf Safety Data Sheet

FOR MOLDED GRATING PRODUCTS AND MOLDED STAIR PRODUCTS

Section 10 - Stability and Reactivity Data

Stability	Stable
Conditions to Avoid	Sources of ignition, sparks, or flames, extremely high temperatures
Incompatibility	Strong oxidizing acid
Hazardous Decomposition or Byproducts	Not applicable
Hazardous Polymerization	Will not occur

Section 11 - Toxicological Information

Routes of Exposure	
Inhalation	Nuisance dust from machining can cause irritation.
Eye	Nuisance dust from machining can cause irritation.
Skin	Nuisance dust from machining can cause irritation.
Ingestion	N/A
Delayed and Immediate Effects:	N/A
Acute Toxicity	N/A
Carcinogenicity Status	
National Toxicology Program (NTP)	N/A
International Agency for Research on Cancer (IARC)	N/A
OSHA	N/A



DECK Turf Safety Data Sheet

FOR MOLDED GRATING PRODUCTS AND MOLDED STAIR PRODUCTS

Section 12 - Ecological Information

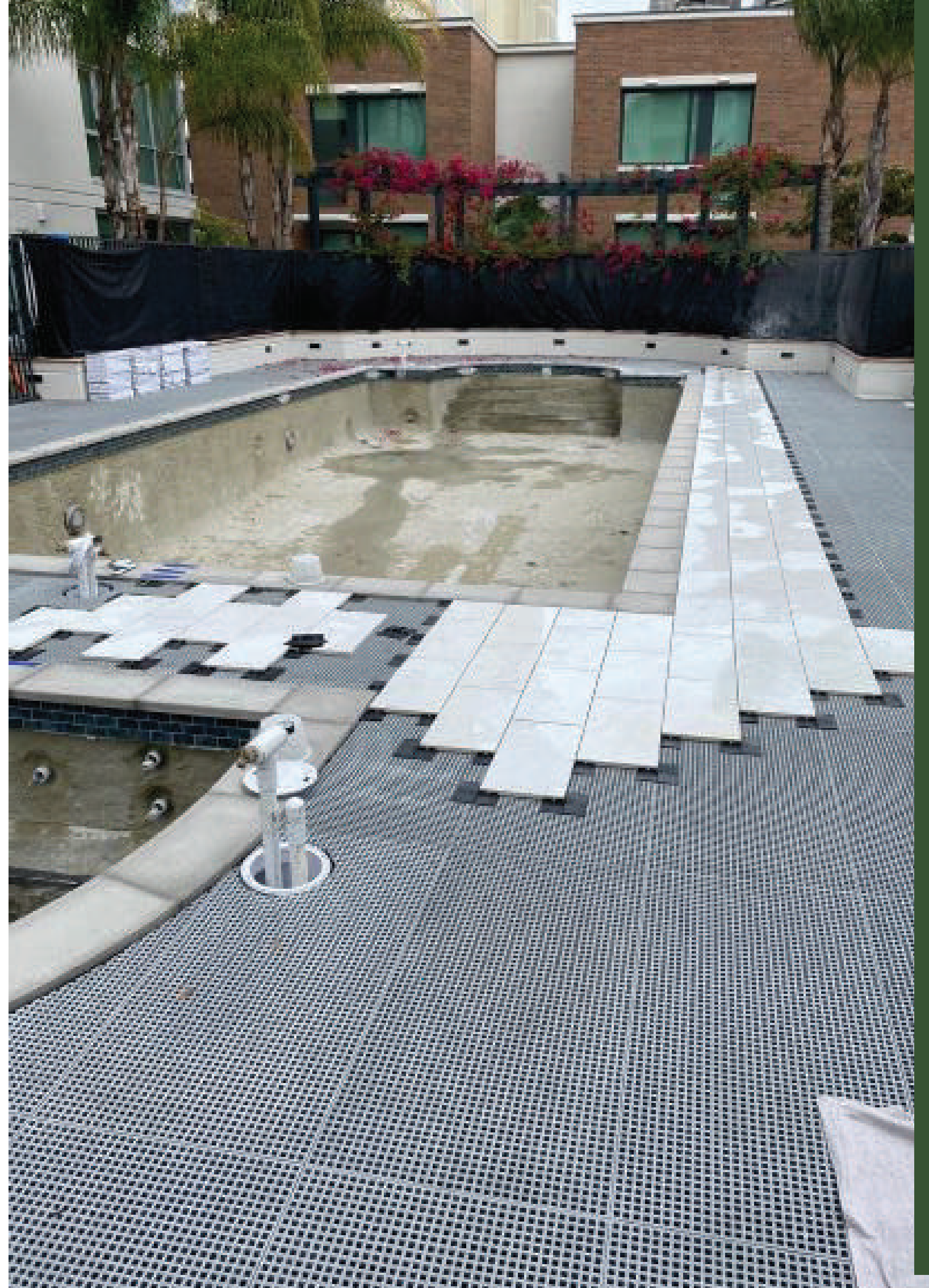
Ecotoxicity	No data
Persistence and Degradability	No data
Bioaccumulative Potential	No data
Mobility in Soil	No data

Section 13 - Disposal Considerations

Waste Disposal Method	Control and collect any dust generated in sturdy containers to prevent dispersal. Dispose of in accordance with all federal, state, and local regulations. Generally, the dust is not considered a hazardous waste.
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Section 14 - Transport Information

Shipping Name	FRP Gratings
Shipping Symbols	N/A
Hazard Class	Not hazardous
ID No	N/A
Packing Group	Not determined
Label	Not required
Special Provisions	None





DECK Turf Safety Data Sheet

FOR MOLDED GRATING PRODUCTS AND MOLDED STAIR PRODUCTS

Section 15 - Regulatory Information

Environmental Regulations

RCRA	Not listed
CERCLA	Not listed
ID No	N/A
SARA 311/312 Codes	None
SARA 313	None above de minimum quantity

Section 16 - Other Information

Refer to NFPA 654	Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
HMIS	Health = 0 Fire = 1 Reactivity = 0
Issue Date	5/19/15

We believe that the above information is valid and reliable. The information, however, is provided without any representation of warranty, expressed or implied, regarding the accuracy of correctness. The conditions of methods of handling, storage, use, cutting, grinding, disposal, or other use of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use, cutting, grinding, disposal, or any other use of this product.



SECTION 06 610 FIBERGLASS REINFORCED PLASTICS (FRP) FABRICATIONS





A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections , apply to this section.

B. The Fiberglass Grating Manual , ANSI/ ASCE /ACMA FGM -2003

C. The publications listed below (latest revision applicable) form a part of this specification to the extent referenced herein. The publications are referred to within the text by designation only.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) Test Methods: ASTM D 635 Rate of Burning and /or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position ASTM E 84 Surface Burning Characteristics of Building Materials

1.02 SUMMARY

A. This section includes shop fabricated fiberglass reinforced plastic (FRP) protruded and molded gratings and treads.

1.03 SCOPE OF WORK

A. Furnish , fabricate (where necessary), and install all fiberglass reinforced plastic (FRP) gratings with all appurtenances , accessories and incidentals necessary to produce a complete , operable and serviceable installation as specified herein.

1.04 SUBMITTALS

A. Submit manufacturer's shop drawings of all fabricated gratings clearly showing material sizes , types, styles, part or catalog numbers, complete details for the fabrication of and erection of components including, but not limited to , location, lengths, type and sizes of fasteners , clip angles , member sizes , and connection details.

B. Submit the manufacturer 's published literature including structural design data , structural properties data, grating load/ deflection tables, corrosion resistance tables, certificates of compliance, test reports as applicable and design calculations for systems not sized or designed in the contract documents.

C. Submit sample pieces of each item specified herein, manufactured by the method used in the Work and as to quality and color.

1.05 QUALITY ASSURANCE

A. All items to be provided under this Section shall be furnished only by manufacturers having experience in the design and manufacture of similar products and systems. If requested, experience shall be demonstrated by a record of at least five (5) previous, separate, similar, successful installations in the last five (5) years.

B. Substitution of any component or modification of system shall be allowed when approved by the Architect or Engineer.

C. Fabricator Qualifications: Firm experienced in successfully producing FRP fabrications similar to that indicated for this project, with sufficient production capacity to produce required units without causing delay in the work.

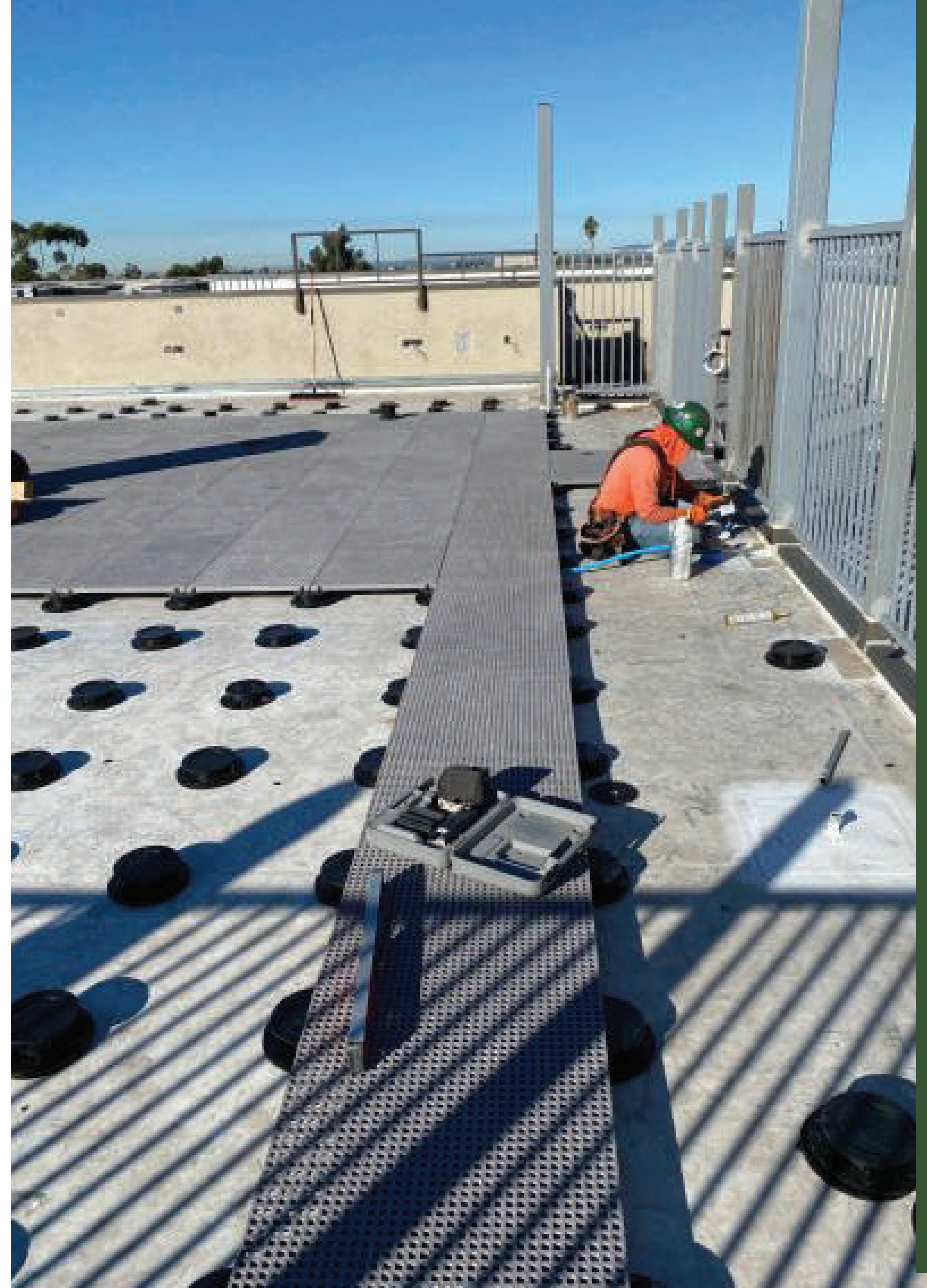
D. In addition to requirements of these specifications, comply with manufacturer's instructions and recommendations for work.

1.06 DESIGN CRITERIA

- A.** The design criteria of the FRP products including connections shall be in accordance with governing building codes and generally accepted standards in the FRP industry.
- B.** Gratings: Design live loads of the FRP gratings for walkway applications shall be 50 psf uniformly distributed load (or as required by the governing building code) with a maximum deflection of 3/8" or L/120 at the center of a simple span OR a concentrated load of 250 pounds with a maximum deflection of 1/4" at the center of a simple span.
- C.** Stair Treads: Stair treads shall be designed for a uniform live load of 100 psf at the center of a simple span OR a 300 pound line load at the center of the tread, whichever produces the greater stress.

1.07 PRODUCT DELIVERY AND STORAGE

- A.** All gratings and components shall be shop fabricated. Piece match marked to assembly or erection drawings.
- B.** Delivery of Materials: All manufactured materials shall be delivered in original, unbroken pallets, packages, containers, or bundles bearing the label of the manufacturer. Adhesives, resins and their catalysts and hardeners shall be crated or boxed separately and noted as such to facilitate their movement to a dry indoor storage facility.
- C.** Storage of Products: All materials – before, during and after shipment - shall be carefully handled to prevent them from abrasion, cracking, chipping, twisting, other deformations and other types of damage. Store items in an enclosed area and free from contact with soil and water. Store adhesives, resins and their catalysts and hardeners in dry indoor storage facilities between 70 and 85 degrees Fahrenheit (21 to 29 degrees Celsius) until they are required.



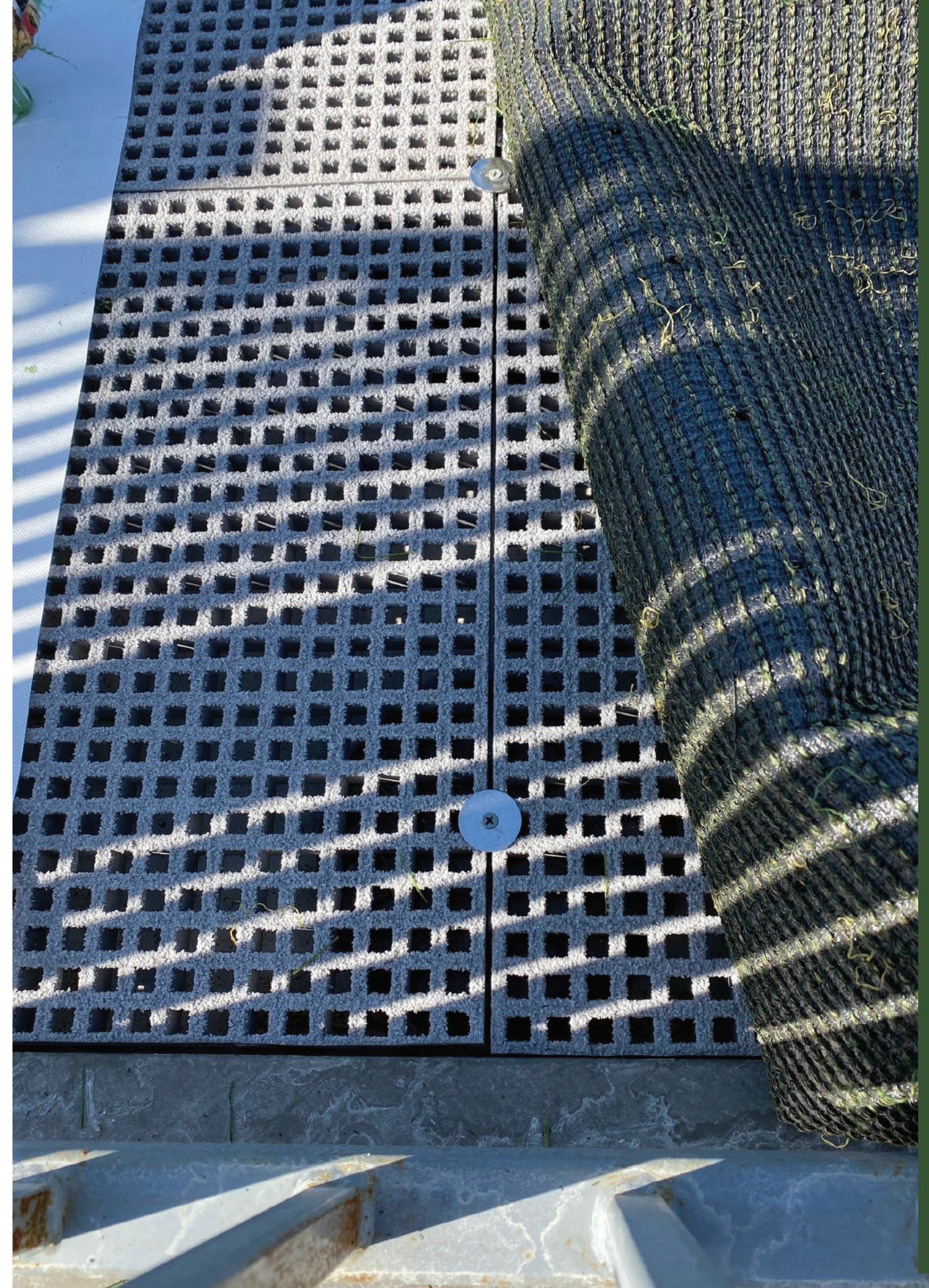


PART 2 - PRODUCTS



2.01 GENERAL

- A.** All FRP items furnished under this Section shall be composed of fiberglass reinforcement and resin in qualities, quantities, properties, arrangements and dimensions as necessary to meet the design requirements and dimensions as specified in the Contract Documents.
- B.** Fiberglass reinforcement for molded and pultruded grating shall be continuous roving. Additionally for pultruded gratings, reinforcements shall include a combination of continuous strand mat and surfacing veils. All reinforcements shall be in sufficient quantities as needed by the application and/or physical properties required.
- C.** Resins shall be {VINYL ESTER or POLYESTER -choose one} with chemical formulations as necessary to provide the corrosion resistance, strength and other physical properties as required. {Consult grating manufacturer for the appropriate resin choice for your environment. Information grating manufacturer will require is defined in "Ordering Information" on page 22}.
- D.** All finished surfaces of FRP items and fabrications shall be smooth, resin-rich, free of voids and without dry spots, cracks, crazes or un-reinforced areas. All glass fibers shall be well covered with resin to protect against their exposure due to wear or weathering. E. All pultruded components shall be further protected from ultraviolet (UV) light with 1) integral UV inhibitors in the resin and 2) a synthetic surfacing
- E.** All pultruded components shall be further protected from ultraviolet (UV) light with 1) integral UV inhibitors in the resin and 2) a synthetic surfacing
- F.** All FRP products shall {be non-fire-retardant OR have a tested flame spread rating of 25 or less when tested in accordance with the ASTM E-84 Tunnel Test - choose one}. For fire retardant gratings, Gratings shall also have a tested burn time of less than 30 seconds and an extent of burn rate of less than or equal to 10 millimeters per ASTM D635. Manufacturer may be required to provide certification of ASTM E84 test on grating panels from an independent testing laboratory. Test data shall be from full scale testing of actual production grating of the same type of material supplied on the project. Test data performed only on the base resin shall not be acceptable. degrees Celsius) until they are required.
- G.** All grating clips shall be manufactured of {Type 316SS or 304 SS or 18-8 SS or galvanized steel or Monel -choose one based on your corrosive environment}
- H.** After fabrication, all cut ends, holes and abrasions of FRP grating shall be sealed with a resin comparable to the grating panel.
- I.** Manufacturer: Eco Arbor Designs Inc. 888 335 8453



2.01 PULTRUDED GRATING & MESH PANELS

1. Manufacturing: Grating shall be of a one piece molded construction with tops and bottoms of bearing bars and cross bars in the same plane. Grating shall have a {square mesh pattern providing bidirectional strength or rectangular mesh pattern – choose one}. Grating shall be reinforced with continuous rovings of equal number of layers in each direction. The top layer of reinforcement shall be no more than 3/16" below the top surface of the grating so as to provide maximum stiffness and prevent resin chipping of unreinforced surfaces. Percentage of glass (by weight) shall not exceed 40% so as to achieve maximum corrosion resistance, and as required to maintain the structural requirements of the contract.

2. After molding, no dry glass fibers shall be visible on any surface of bearing bars or crossbars. All bars shall be smooth and uniform with no evidence of fiber orientation irregularities, interlaminar voids, porosity, resin rich or resin starved areas.

3. Non-slip surfacing: Grating shall be manufactured with a concave profile on the top of each bar providing maximum slip resistance. Secondly applied grit shall be allowed as long as the top surface does not exceed 1/16". Grit molded integrally during the manufacturing process shall be allowed, with the top surface not exceeding 3/16".

4. Color: {Gray for standard colors}

5. Grating configuration shall be {choose those applicable for project}

- 1" deep, 1- 1/ 2" SM
- 1- 1/2" deep, 1-1/2" SM
- 2" deep, 2" SM

7. Substitutions: Other products of equal strength, stiffness, corrosion resistance and overall quality may be submitted with the proper supporting data to the engineer for approval.



2.02 MOLDED GRATING & TREADS

A. GENERAL

1. Manufacture: Grating components shall be manufactured by the pultrusion process, shall be of high strength and high stiffness elements having a maximum of 70% and a minimum of 65% glass content (by weight) of continuous roving and continuous strand mat fiberglass reinforcements. The finished surface of the product shall be provided with a surfacing veil to provide a resin rich surface which improves corrosion resistance and resistance to ultraviolet degradation.

2. Grating bearing bars shall be joined into panels, interlocked and epoxied into the proper spacing by passing a continuous, notched cross rod or cross rods through the web of each bearing bar. The notches shall be spaced on centers to match the distance between the load bars. A continuous keeper shall be driven behind the notched cross rod to affix it into place. Chemical bonding shall complete the assembly of the cross bar system to ensure both a mechanical and chemical lock.

Grating configuration shall be {choose those applicable}

1" deep I-60

1- 1/2" deep I -60

2" deep T-50

2.04 GRATING FABRICATION

A. Measurements: Grating supplied shall meet the minimum dimensional requirements as shown or specified. The Contractor shall provide and/or verify measurements in field for work fabricated to fit field conditions as required by grating manufacturer to complete the work. Determine correct size and locations of required holes or cutouts from field dimensions before grating fabrication.

B. Layout: Each grating section shall be readily removable, except where indicated on drawings. Manufacturer to provide openings and holes where located on the contract drawings. Grating supports shall be provided at openings in the grating by contractor where necessary to meet load/deflection requirements specified herein. Grating openings which fit around protrusions (pipes, cables, machinery, etc.) shall be discontinuous at approximately the centerline of opening so each section of grating is readily removable. Gratings shall be fabricated free from warps, twists, or other defects which affect appearance and serviceability.

C. Sealing: All shop fabricated grating cuts shall be coated with a resin comparable to grating resin to provide maximum corrosion resistance. All field fabricated grating cuts shall be coated similarly by the contractor in accordance with the manufacturer's instructions.

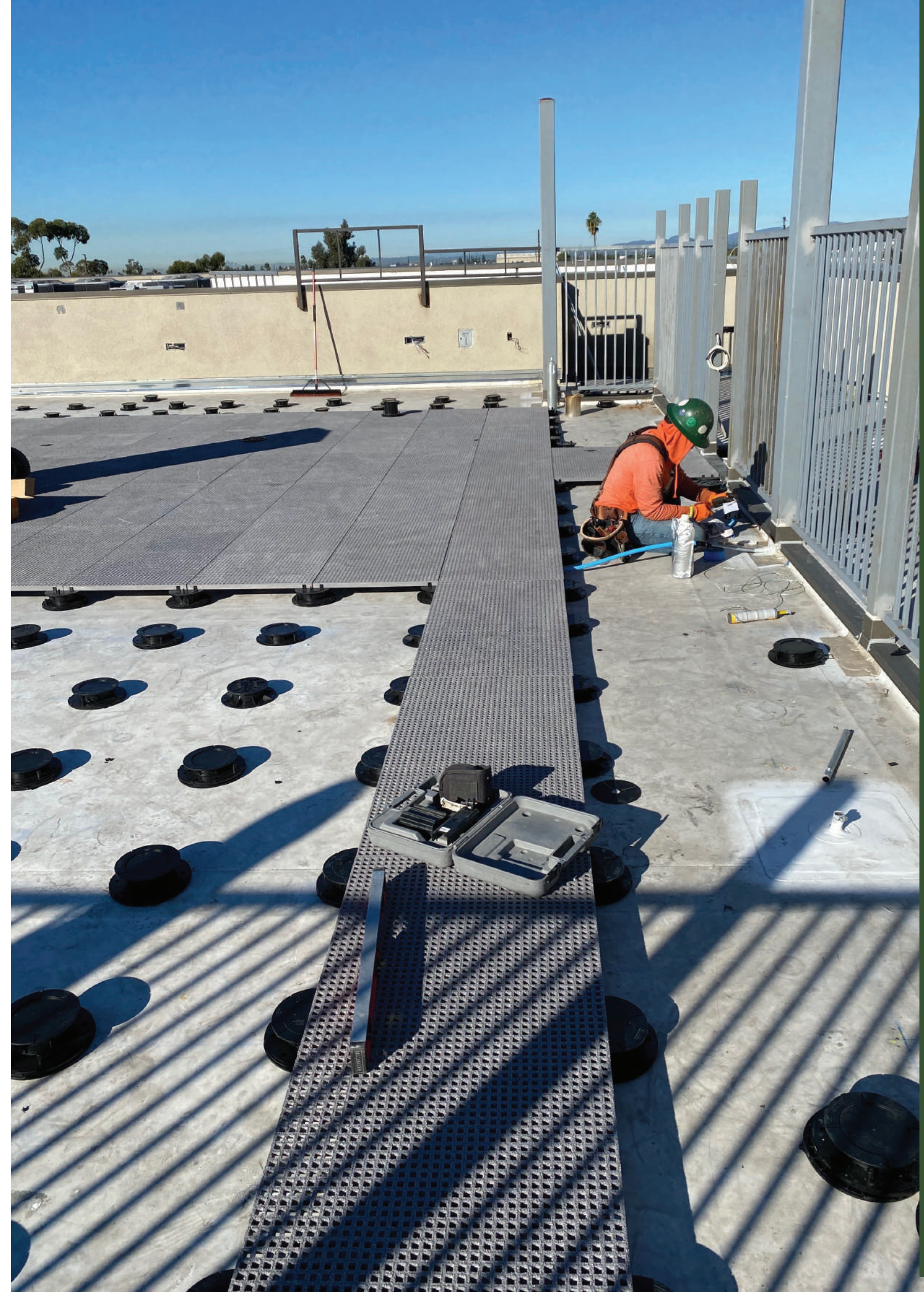
D. ADDITIONAL Hardware: Fender washer shall be used to secure grating if applied over pedestal system, or as recommended by Eco Arbor or Designs.

2.04 GRATING FABRICATION

A. Contractor shall install gratings in accordance with manufacturer's assembly drawings. Lock grating panels securely in place with hold-down fasteners as specified herein to pedestal supports Butyl tape otherwise known as (jiffy seal) can be a useful product to bond and create a cushion to the top of the pedestal support for additional compression and sound dampening between the FRP panel and the pedestal top.

B. Field cut and drill fiberglass reinforced plastic products with carbide or diamond tipped bits and blades. Follow manufacturer's instructions when cutting or drilling fiberglass products or using resin products ; provide adequate ventilation.

C. Install items specified as indicate and in accordance with manufacturer's instructions.



WARRANTY 5 Year Limited

Structural Porcelain Tile, EAD adjustable Pedestals, Hybrid Pedestal and FRP Support Tray Warranty:

Eco Arbor Designs outdoor flooring products are covered by a limited five (5) year warranty. Eco Arbor Designs Structural Porcelain Tile, Hybrid Pedestal and Support Tray are warranted to the original owner to be free of defects in material and workmanship for the period of five years from the date of purchase. Defects are defined as imperfections that impair the utility of the product. This warranty applies to conditions of normal use, and does not apply to damage resulting from abuse, excess weight, incorrect installation or acts of nature. Eco Arbor Designs Structural Porcelain

Tile, Hybrid Pedestal and Support Tray are intended for pedestrian use only. Use of wheeled or motorized traffic is not suggested and any damage as a result can void the warranty. If a tile, pedestal or tray is deemed defective within the terms of the warranty, Eco Arbor Designs is not responsible for the cost of repair services. If product fails and is determined to be defective, a replacement tile, pedestal or tray will be furnished at no cost to the customer. Eco Arbor Designs must approve all warranty related repairs, and unauthorized repairs void this warranty. This warranty does not cover shipping damage. Shipping damage must be reported directly to Eco Arbor Designs immediately upon receipt of products. Eco Arbor Designs is not responsible for damage not reported at time of delivery. Please save all product packaging for a short period of time if return shipping is required.



ECO ARBOR DESIGNS