

SkyWalk™ Rooftop Turf Grate System

by Skydeck USA

Architectural Rooftop Turf System
Clean. Drainable. Serviceable.

SkyWalk™ Rooftop Turf Grate System creates a clean, drainable rooftop turf surface over interlocking grate panels and SkyJack adjustable pedestals. Designed for amenity decks, pet areas, putting greens, lounges, and courtyard spaces, the system supports full-width rolled turf for fewer visible seams while maintaining drainage and roof access below the finished surface.



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Quick Spec Page

Specifier Summary

The SkyWalk™ Rooftop Turf Grate System is a pedestal-supported rooftop amenity system designed to create a clean, drainable, rolled-turf surface over interlocking grate panels. The system uses SkyWalk interlocking turf grates, SkyJack adjustable pedestals, optional roof protection pads, and selected Skydeck synthetic turf to create a stable, elevated rooftop turf assembly over roofing membranes, concrete decks, or other approved substrates. The grate platform supports full-width rolled turf, helping reduce visible seams and avoid a modular turf-tile appearance. The elevated assembly allows water to pass through the turf and grate layer to the drainage plane below while maintaining access for roof inspection, drain maintenance, and future service needs. Your current brochure already supports this positioning by emphasizing full-width rolled turf, interlocking grate support, drainage-friendly construction, and pedestal-compatible support.

Basis of Design

SkyWalk™ Rooftop Turf Grate System by Skydeck USA, including interlocking SkyWalk turf grates, SkyJack adjustable pedestals, roof protection pads where required, selected Skydeck synthetic turf, and related accessories required to provide a complete pedestal-supported rooftop turf assembly. System shall provide a stable, elevated support platform for rolled synthetic turf while allowing drainage below the finished surface. Pedestal layout, grate layout, turf seams, roof drain access, perimeter conditions, and finished elevations shall be coordinated with project drawings and approved by the project design professional.

System Components

1. Skydeck Synthetic Turf - Selected turf type based on project use: MultiSport Turf, Comfort Turf, Premium Pet Turf, or Golf Pro Turf.
 2. SkyWalk Interlocking Turf Grates and Grate Clips - Lightweight interlocking grate panels that create a continuous support layer below rolled turf. Grate Clips mechanically fasten grates to pedestals.
 3. SkyJack Adjustable Pedestals - Adjustable pedestal supports used to create a level finished turf surface over sloped roof decks or other approved substrates.
 4. Roof Protection Pads - Optional protection layer placed below pedestals to help protect the roofing membrane and reduce sound transfer.
 5. Accessories - Includes wall clips, shims, base slope correctors, self-leveling heads, screws, turf tape, etc.
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Compatible Applications

The SkyWalk™ Rooftop Turf Grate System may be used for:

- Rooftop amenity lawns
 - Courtyard turf areas
 - Poolside amenity decks
 - Pet relief and pet play areas
 - Commercial, multifamily, hospitality, and residential rooftop spaces and more
 - Putting greens and golf practice areas
 - Lounge and seating areas
 - Mixed paver-and-turf rooftop layouts
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Why Specify Skydeck?



ROLLED TURF APPEARANCE

Supports full-width rolled turf over a continuous interlocking grate platform to reduce the modular square appearance common with turf tile systems and create a cleaner rooftop amenity finish.



STABLE INTERLOCKING SUPPORT LAYER

SkyWalk grates interlock to create a continuous support platform below the turf surface for improved alignment, support, and stability under foot traffic, furniture, pet areas, and lounge spaces.



STURDY, LIGHTWEIGHT CONSTRUCTION

Provides a strong support layer while remaining lightweight at approximately 1.5 lb/sq ft, helping reduce handling difficulty during installation and limiting added rooftop dead load.



DRAINAGE-FRIENDLY DESIGN

The open grate surface allows water to move through the turf assembly and drain below the finished surface, helping reduce trapped moisture and support rooftop drainage.



ROOF ACCESS AND SERVICEABILITY

The turf and grate assembly can be coordinated for access to roof drains, inspection points, and future maintenance areas.



PET- AND AMENITY-FRIENDLY SURFACE OPTIONS

Selected turf options include antibacterial and antimicrobial properties, while the open grate structure helps liquids pass through the turf layer rather than sitting in a closed or absorbent support layer.



SINGLE-SOURCE SYSTEM SUPPORT

Skydeck USA can provide coordinated support for turf selection, grate layout, pedestal layout, shop drawings, and project-specific questions.



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skydeck usa, llc

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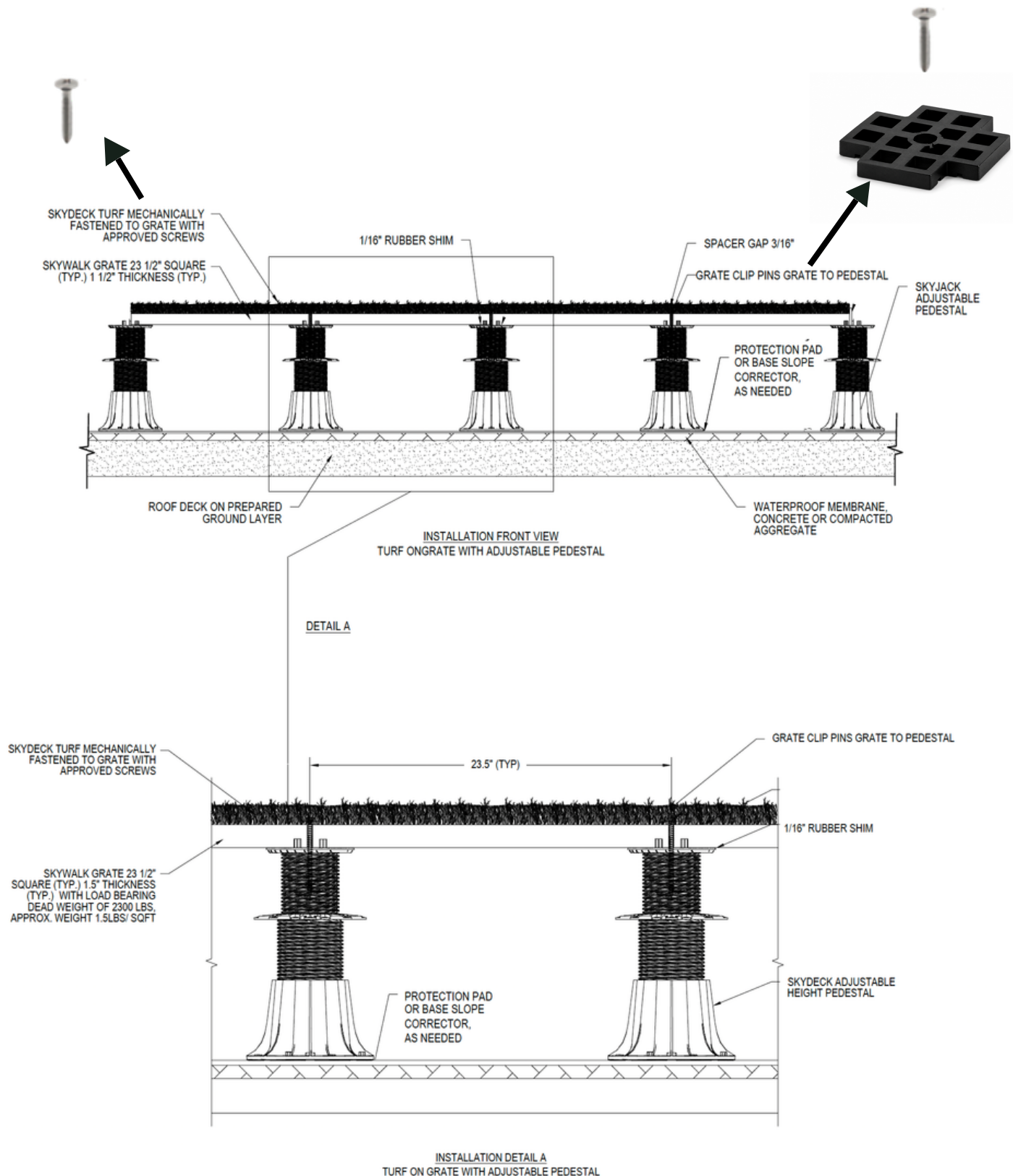
Product Components Diagram



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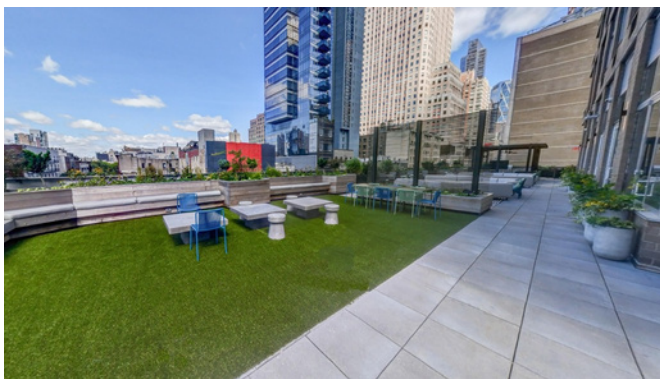
Mechanical Fastening for Grates and Turf





MultiSport Turf

- Great for yard games or sport areas
- Features our Bodyshape technology so blades quickly recover their shape offering strength, durability and resilience
- No infill is required
- 1" 3/16" pile height
- Anti-bacterial, anti-microbial pet and kid friendly
- Non-flammable



Comfort Turf

Benefits and Uses

- Great for seating areas, hang out spaces, garden areas
- Features our Bodyshape and MaxRecovery technology so blades quickly recover their shape offering strength, durability and resilience
- Our thickest, most plush turf
- Infill is recommended, but not required
- 1" 3/8" pile height
- Anti-bacterial, anti-microbial pet and kid friendly
- Non-flammable



Premium Pet Turf

- Great for pet relief or play areas
- Features our Bodyshape and MaxRecovery technology so blades quickly recover their shape offering strength, durability and resilience
- Boasts our SuperFlow technology to ensure fast drainage
- Infill is recommended
- 1" 1/2" pile height
- Anti-bacterial, anti-microbial pet and kid friendly
- Non-flammable



Golf Pro Turf

Benefits and Uses

- Great for putting greens or swing practice areas
- Features our Bodyshape and MaxRecovery technology so blades quickly recover their shape offering strength, durability and resilience
- Infill not required
- 5/8" pile height
- Anti-bacterial, anti-microbial pet and kid friendly
- Non-flammable





Multisport Sports Turf

about

Our Multisport mixes monofilaments with our BodyShape memory technology offering a great recovery. Its two shades of green give a realistic look. It is the perfect solution for limited spaces. It is strong, durable and highly resilient. Great performance with low maintenance.

MultiSport artificial grass is versatile for many playing fields and recommended for various sports. Multisport is able to adapt to many different functions and activities.



product details

Color	Green
Roll Size	15 ft
Roll Length	Custom lengths up to 100 ft

Specifications

Composition Type	Polyethylene
Type	Straight Monofilament
Dtex	8,800
Pile Height	1" 3/16"
Guage	3/8"
Stitches/ft ²	2,415 (±10)
Fiber Weight	70 oz/yd ² (±5)
Total Weight	105 oz/yd ² (±10)
Primary Backing	Polypropylene
Secondary Backing	PU Coating

Infill

Not required

Test and Certificates

DURABILITY

UV Stability Scale >3 (UNE-EN 20105-A02)
Permeability 10.2 gpm/yd²
Chlorinated water stability (ISO 105-E 03:2010)

SAFETY 100%

Bacteria Free (ASTM G 21:2013)
Non Toxic (EN 71-3)
Non-flammable (EN 13501 Dfl-s1)

ECO

Zero Waste
ISO 14.001
100% Recycleable (CSIC)





Comfort Garden Turf

about

Comfort turf combines BodyShape Technology with MaxRecovery. Comfort has an incredible ability to recover, which makes it ideal for all types of gardens, from commercial to private. This model is plush, soft, and has excellent resilience with a natural look.



product details



General Data

Color	Tones of Green and Yellow
Roll Size	custom, up to 15 ft wide
Roll Length	custom, up to 100 ft long

Specifications

Composition Type	Polyethylene
Type	Diamond Monofilament
Dtex	14,400
Pile Height	1" 3/8"
Guage	3/8"
Stitches/ft ²	2,341 (±10)
Fiber Weight	90 oz/yd ² (±5)
Total Weight	105 oz/yd ² (±10)
Primary Backing	Polypropylene
Secondary Backing	PU Backing

Infill

Recommended infill 1-2 lb/ft² silica sand size 12/20

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Pet Premium Garden Turf

about

Mix of Omega shape monofilament fibers and curly fibers with root effect technology which keeps the monofilament fibers straight up. Pet Premium is for those who need more drainage and durability. Perfect for those who want to have a tough lawn and not worry about maintenance.

Pet Premium is great for higher traffic residential applications and big commercial projects that need better drainage, thanks to the "SuperFlow" technology.

product details



General Data

Color	Tones of Green
Roll Size	custom, up to 15 ft wide
Roll Length	custom, up to 100 ft long

Specifications

Composition Type	Polyethylene + Polypropylene in Curl
Type	Omega Shape Monofilament
Dtex	13,800
Pile Height	1" 1/2"
Guage	3/8"
Stitches/ft ²	1,365 (±10)
Fiber Weight	60 oz/yd ² (±5)
Total Weight	90 oz/yd ² (±10)
Primary Backing	SuperFlow
Secondary Backing	Latex Backing

Infill

Recommended but not required

Test and Certificates

DURABILITY

UV Stability Scale >3 (UNE-EN 20105-A02)
Permeability 14 gpm/yd²
Chlorinated water stability (ISO 105-E 03:2010)

SAFETY 100%

Bacteria Free (ASTM G 21:2013)
Non Toxic (EN 71-3)
Non-flammable (EN 13501 Dfl-s1)

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Gauge	3/8"
Stitches/ft ²	2,341 (±10)
Fiber Weight	90 oz/yd ² (±5)
Total Weight	105 oz/yd ² (±10)
Primary Backing	Polypropylene
Secondary Backing	PU Backing

Infill

Not required but optional

Test and Certificates

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