

Printable Maintenance Calendar

Daily Tasks & Specific Requirements				
Date	Name	Remove leaves from the surface	Check for clogged drain holes	Spraying pH-neutral water mist
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Weekly Task List		
Task	Specific Requirements	Task Completed (✓/✗)
Diluted Oxygen Bleach Spraying	1:200 ratio, evenly applied with a low-pressure sprayer	
Brushing Against Grass Fiber Direction	Use an anti-static soft brush to avoid fiber damage	
High-Pressure Water Cleaning	Pressure ≤1000 psi, focus on cleaning seams	
Check Surrounding Moisture Level	Use a digital moisture meter, ensure ≤ 65%	
UV-C Algae Removal Lamp Operation Test	Wavelength 270nm, coverage radius 2m/lamp	
Drainage System Inspection	Randomly select 3 areas for 30L/m² water injection test	
Tool Cleaning & Maintenance	Clean soft brushes, sprayers, and check equipment status	

Annual KPI Testing and Optimization		
Task	Specific Requirements	Task Completed (✓/✗)
Inspect Heating Cables in Base Layer	Power 20W/m², repair broken points	
Calibrate Turf Slope	Laser level detection, error ≤1%	
Replenish Infill Granules	Graded screening, new-to-old ratio 1:0.3	
Anti-Algae Backing Adhesion Test	SGS report verification ≥99% antibacterial rate	
Rainwater Recycling System Maintenance	Clean reservoir filters, check ROI data	
Seam Strength Testing	ASTM D903 standard, peel strength ≥50N/50mm	
UV Lamp Tube Replacement	Mandatory replacement after ≥2000 hours of use	
Drainage Rate Retest	ASTM D4712 standard, ≥50L/m²/min	
Anti-Mold Spray Pre-Season Preparation	Inventory check and dosage calibration	
De-Icer Procurement	Calcium-magnesium type, corrosion <80% of salt	
Turf Fiber Uprightness Evaluation	ASTM F1015 standard, ≥90% compliance	
Annual Maintenance Summary & Next Year' s Plan	Develop plan for the following year	

7 Top Algae Prevention Products Performance and Price Analysis				
Brand	Ingredient Safety	Anti-Algae Effectiveness	Price (\$/L)	Applicable Scenarios & Features
EcoClean	Non-toxic certified (SGS)	★★★★★	12.5	Commercial pools, high-pollution areas; contains oxygen-based active ingredients, quickly breaks down stubborn algae, works in 10 minutes.
TurfGuard	Low irritation (EPA certified)	★★★★☆	9.8	Household pool maintenance; eco-friendly formula, no residue, suitable for areas with children and pets.
AquaGuard Pro	Biodegradable (OEKO-TEX certified)	★★★★★	14	Designed for hotels/resorts; contains nano-silver coating technology, provides 30-day algae prevention, works with UV sterilization.
GreenShield Plus	Phosphate-free formula (ECOLAB certified)	★★★★☆	11.2	Suitable for high-humidity areas; includes slow-release anti-algae agents, dual protection against mold and algae during rainy seasons, high cost-effectiveness.
PureTurf Clean	Plant-based extract (USDA Organic certified)	★★★★★	8.5	Ideal for home users; natural citric acid + tea tree oil, mild and non-irritating, suitable for frequent light cleaning.
AlgaeXpert	Strong & non-toxic (ISO 14001)	★★★★★	15.5	Professional-grade emergency treatment; instantly eliminates 99.9% of algae spores, works with ozone disinfection, suitable for large-scale contamination restoration.

Recommendations for use

Commercial Scenario: AquaGuard Pro + AlgaeXpert: Daily protection for the former and emergency treatment for the latter to ensure that artificial turf pool decks are algae-free all year round.

Home Users: PureTurf Clean (daily) + TurfGuard (weekly): balancing cost and effectiveness to keep the artificial turf around the pool safe and durable.

Rainy season/high humidity environment: GreenShield Plus: monthly spray to prevent algae and mold symbiosis problems and optimize drainage efficiency in conjunction with the Drainage Inspection Flowchart.

Drainage Test Flowchart

