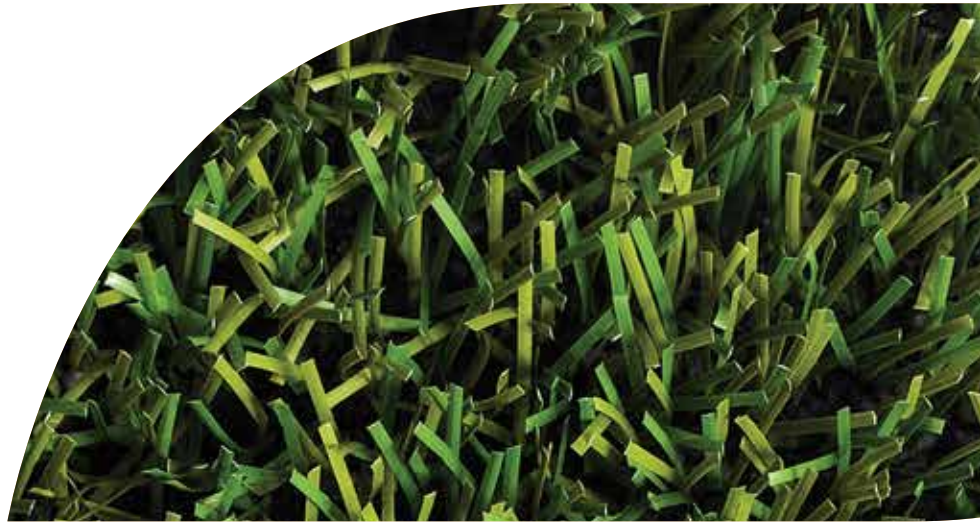


POWERBLADE ELITE[®]

ENGINEERED TURF SYSTEMS FOR ALL LEVELS OF PLAY



shaw[™]
SPORTS TURF 



POWERBLADE ELITE®

PowerBlade Elite® is made with our advanced monofilament fibers and is the next generation in engineered performance. Designed around performance criteria that measures both athlete-surface and ball-surface interactions, PowerBlade Elite delivers a quality turf system with the best combination of durability, playability and safety. PowerBlade Elite is an engineered system specifically built to meet the stringent laboratory and field tests of FIFA. The FIFA Quality Concept ensures that your Shaw Sports Turf field delivers the maximum level of performance and quality to your athletes.

The PowerBlade Elite system is available in ten different configurations that can qualify for FIFA certifications, each with its own distinct benefits, pile heights, infill types and shock pad systems. System recommendations vary by usage and performance characteristics. Ask your sales representative to determine which system is best for your program.

PowerBlade Elite 45 features a 1.75" (45 mm) HP+ fiber, 42-ounce pile weight and is comprised of a shock pad underlayment and either a sand / rubber layered infill or sand / TPE layered infill.

PowerBlade Elite 2.5 features a 2.5" (64mm) HP+ fiber and is available in a 40-ounce or 48-ounce pile weight with a sand / rubber layered infill. Also available with a shock pad underlayment specifically designed for the demands of rugby.

PowerBlade Elite Geo products are available as either a 1.75" or 2.5" Bolt fiber system but feature a layered infill that includes GeoFill®, an environmentally-friendly, organic infill.

All of our systems are designed around 6 critical performance tests.



| CHARACTERISTICS | PB ELITE® 45 | PB ELITE® 2.5 (48 oz) | PB ELITE® 2.5 (40 oz) | PB ELITE® GEO 45 | PB ELITE® GEO 2.5 |
|---------------------|--|--|--|--|--|
| Pile Weight* | 42 oz/yd ² - 1,424 g/m ² | 48 oz/yd ² - 1,627 g/m ² | 40 oz/yd ² - 1,356 g/m ² | 42 oz/yd ² - 1,424 g/m ² | 48 oz/yd ² - 1,627 g/m ² |
| Pile Height* | 1.75" - 45 mm | 2.5" - 64 mm | 2.5" - 64 mm | 1.75" - 45 mm | 2.5" - 64 mm |
| Yarn Denier* | 10,800 (12,000 dtex) | 10,800 (12,000 dtex) | 10,800 (12,000 dtex) | 10,800 (12,000 dtex) | 10,800 (12,000 dtex) |
| Primary Backing* | 8 oz/yd ² - 271 g/m ² | 8 oz/yd ² - 271 g/m ² | 8 oz/yd ² - 271 g/m ² | 8 oz/yd ² - 271 g/m ² | 8 oz/yd ² - 271 g/m ² |
| Secondary Backing** | 23 oz/yd ² - 780 g/m ² | 23 oz/yd ² - 780 g/m ² | 23 oz/yd ² - 780 g/m ² | 23 oz/yd ² - 780 g/m ² | 23 oz/yd ² - 780 g/m ² |
| Product Weight* | 73 oz/yd ² - 2,678 g/m ² | 79 oz/yd ² - 2,678 g/m ² | 71 oz/yd ² - 2,407 g/m ² | 73 oz/yd ² - 2,678 g/m ² | 79 oz/yd ² - 2,678 g/m ² |
| Infill | 33% Rubber / 67% Sand | 37.5% Rubber/ 62.5% Sand | 37.5% Rubber/ 62.5% Sand | 33% GeoFill/ 67% Sand | 57% Rubber/24% Sand/ 15% GeoFill |

*All values are ± 5% **All values are ± 3 oz/yd²

YARN POLYETHYLENE - Monofilament
PRIMARY BACKING SYSTEM - Ultraloc

SECONDARY BACKING - Polyurethane
TUFTING GAUGE: 1/2"

ROLL WIDTH: 15'
PERFORATION AS REQUIRED

Product specifications values are nominal; the information present is subject to change without notice. Shaw Sports Turf is not liable for technical or editorial errors or omissions contained herein. PowerBlade Elite® and Ultraloc® are trademarks of Shaw Sports Turf.

Standard Color



FIELD/LIME GREEN

Optional Colors

| | | | | | | |
|---|--|---|---|---|--|--|
|  |  |  |  |  |  |  |
| CRIMSON | RED | TERRA COTTA | ORANGE | GOLD | YELLOW | VEGAS GOLD |
|  |  |  |  |  |  |  |
| TAN | SOLID LIME | OLIVE | FIELD/OLIVE | FIELD GREEN | LAGOON BLUE | MEDIUM BLUE |
|  |  |  |  |  | | |
| NAVY BLUE | PURPLE | BLACK | GREY | WHITE | | |



RUBBER INFILL

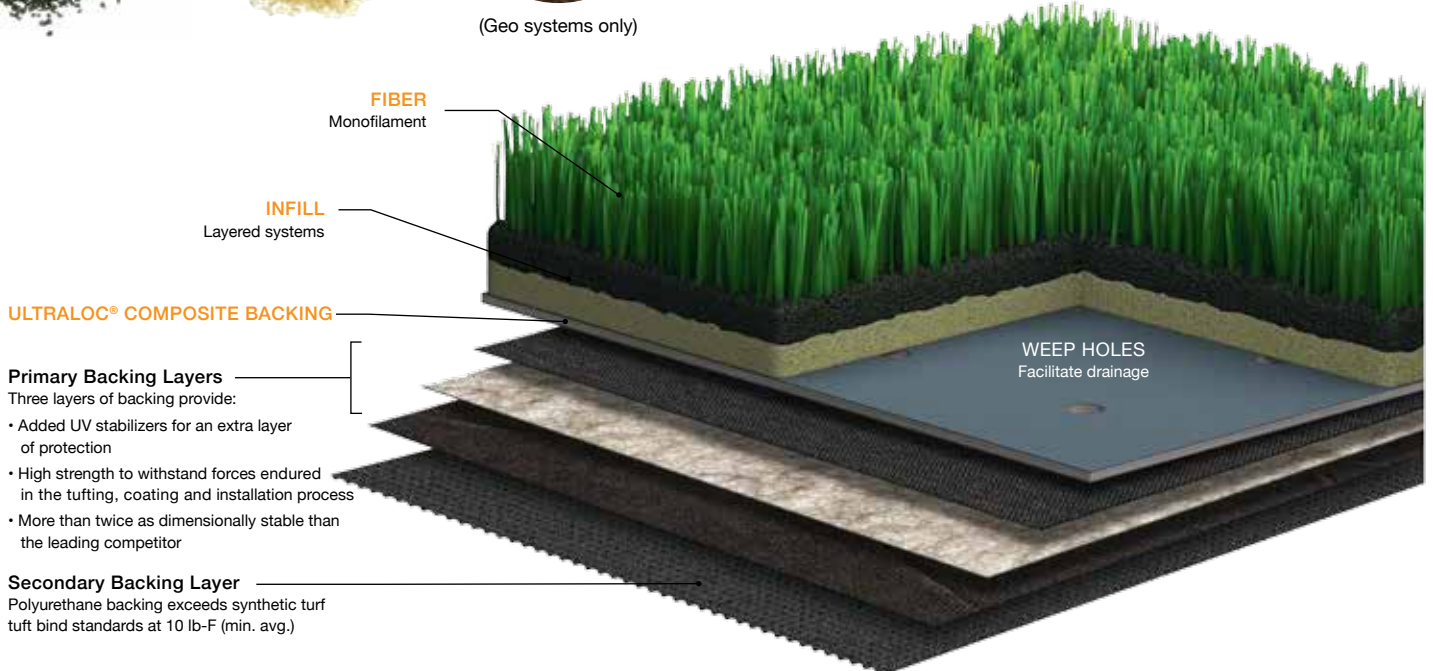


SAND INFILL



GEOFILL
(Geo systems only)

The colors shown are not intended for color matching purposes, please refer to actual sample swatches for accurate color shades.



POWERBLADE ELITE®



| SYSTEM COMPONENT | TEST | TEST PROCEDURE | PB ELITE 45-6 | | | PB ELITE 2.5-40 | | | PB ELITE 2.5-48 | | |
|------------------|--------------------------------|------------------|-------------------------------|--|--|-------------------------------|--|--|-------------------------------|--|--|
| | | | SPECIFICATION | | | SPECIFICATION | | | SPECIFICATION | | |
| Yarn | Melt Point | ASTM D7138 | 120 °C | | | 120 °C | | | 120 °C | | |
| | Linear Density (Denier)* | ASTM D1577 | 10,800 | | | 10,800 | | | 10,800 | | |
| | Specific Gravity | ASTM D792 | 0.935 g/cc | | | 0.935 g/cc | | | 0.935 g/cc | | |
| | Thickness | ASTM D8218 | 240 microns (Geo 280 microns) | | | 240 microns (Geo 280 microns) | | | 240 microns (Geo 280 microns) | | |
| | Break Strength | ASTM D2256 | > 25 lb-F | | | > 25 lb-F | | | > 25 lb-F | | |
| | Elongation | ASTM D2256 | > 50% | | | > 50% | | | > 50% | | |
| | Total Lead Content | ASTM D2765 | < 100 ppm | | | < 100 ppm | | | < 100 ppm | | |
| | Pile Height† | ASTM D5823 | 1.75" (45 mm) | | | 2.5" (64 mm) | | | 2.5" (65 mm) | | |
| | Pile Weight† | ASTM D5848 | 42 oz/yd² | | | 40 oz/yd² | | | 48 oz/yd² | | |
| | Turfing Gauge | ASTM D5793 | 1/2" | | | 1/2" | | | 1/2" | | |
| | Stitch Rate (Per Inch) | ASTM D5793 | as needed | | | as needed | | | as needed | | |
| | Primary Backing Wt* | ASTM D5848 | 8 oz/yd² | | | 8 oz/yd² | | | 8 oz/yd² | | |
| | Secondary Backing Wt** | ASTM D5848 | 23 oz/yd² | | | 23 oz/yd² | | | 23 oz/yd² | | |
| | Total Product Wt* | ASTM D5848 | 73 oz/yd² | | | 71 oz/yd² | | | 79 oz/yd² | | |
| | Tuft Bind (Avg) | ASTM D1335 | >10 lb-F | | | >10 lb-F | | | >10 lb-F | | |
| | Breaking Strength - Length | ASTM D5034 | > 200 lb-F | | | > 200 lb-F | | | > 200 lb-F | | |
| | Breaking Strength - Width | ASTM D5034 | > 200 lb-F | | | > 200 lb-F | | | > 200 lb-F | | |
| | Turf System | ASTM F355 | < 165 | | | < 165 | | | < 165 | | |
| | Relative Abrasive Index | ASTM F1551 | < 45 | | | < 45 | | | < 45 | | |
| | Shoe Traction (Soccer - Dry) | ASTM F1551 | Initiate 1.4 Slide 0.9 | | | Initiate 1.4 Slide 0.9 | | | Initiate 1.4 Slide 0.9 | | |
| | Shoe Traction (Soccer - Wet) | ASTM F1551 | Initiate 1.4 Slide 0.9 | | | Initiate 1.5 Slide 1.0 | | | Initiate 1.4 Slide 0.9 | | |
| | Shoe Traction (Football - Dry) | ASTM F1551 | Initiate 1.5 Slide 1.0 | | | Initiate 1.4 Slide 0.9 | | | Initiate 1.4 Slide 0.9 | | |
| | Shoe Traction (Football - Wet) | ASTM F1551 | Initiate 1.4 Slide 0.9 | | | Initiate 1.4 Slide 0.9 | | | Initiate 1.4 Slide 0.9 | | |
| | Flammability | ASTM D2859 | 8 of 8 Pass | | | 8 of 8 Pass | | | 8 of 8 Pass | | |
| | Infiltration Rate | BS 7044 Method 4 | > 14 in/hr | | | > 14 in/hr | | | > 14 in/hr | | |
| | Vertical Ball Rebound | ASTM F2117 | > 0.6 m | | | > 0.6 m | | | > 0.6 m | | |

Except where noted as a minimum or maximum, the above specifications are nominal.

* All values are ± 5%

** All values are ± 3 oz/yd²