

Cosmos | Biosphere | Habitat

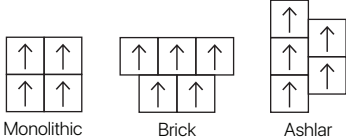
Technical Specifications

Collection Name	Cosmos Biosphere Habitat
Yarn	PolyLux Synthetic Fibre
Construction	Multi Level Loop
Dye Method	Solution Dyed
Gauge	1/10 inch
Stitches Per Inch	10 per inch
Pile Height	4.5 mm (+/-0.5 mm)
Total Height (+/-0.5 mm)	Cosmos - 9.5 mm Habitat - 9.5 mm Biosphere - 10 mm
Pile Weight	24 oz/sy (816 gm/sm)
Total Weight	143 oz/sy (4868 gm/sm +/- 300 gm/sm)
Primary Backing	Non-woven
Secondary Backing	Polyolefin Bac PRO
Packing	20 pcs(5 sm/box)

Performance Specifications

Colorfastness	Grade 5 - No Change (AATCC 16)
Flammability	Class I (ASTM E648)
Smoke Density	Passed (ASTM E662)
Static Propensity	≤3.5 kV (AATCC-134)
SGBC	Very Good ✓✓

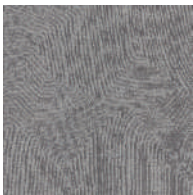
Installation Method



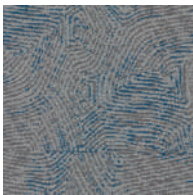
Note:

- Product specifications are based on standard manufacturing tolerances. Slight variations may occur but will not impact performance.
- As with all quality carpets, minor color differences may appear between dye lots.
- To maintain appearance and minimize wear, the use of protective chair pads is recommended under office chairs with castor wheels.

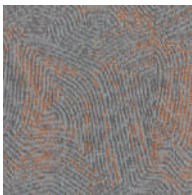
Cosmos



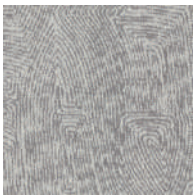
CM300 Stone



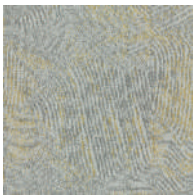
CM302 Peninsula



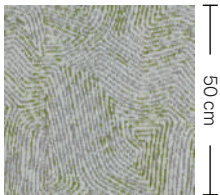
CM304 Rust



CM400 Concrete



CM403 Lemon

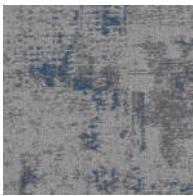


CM405 Fern

Habitat



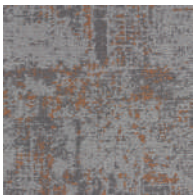
HAB301 Dusk



HAB302 Peninsula



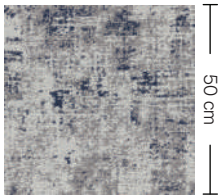
HAB303 Moss



HAB304 Autumn



HAB401 Sterling



HAB402 Fountain

Biosphere



BIO301 Dusk



BIO302 Peninsula



BIO303 Moss



BIO304 Autumn



BIO401 Sterling



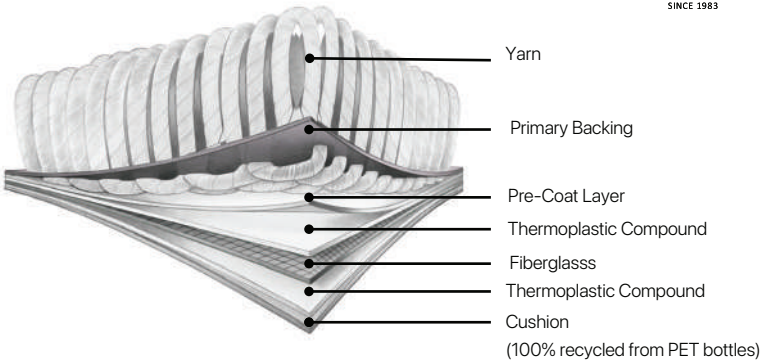
BIO402 Fountain

Polyolefin Bac Pro

Carpet Tile Backing

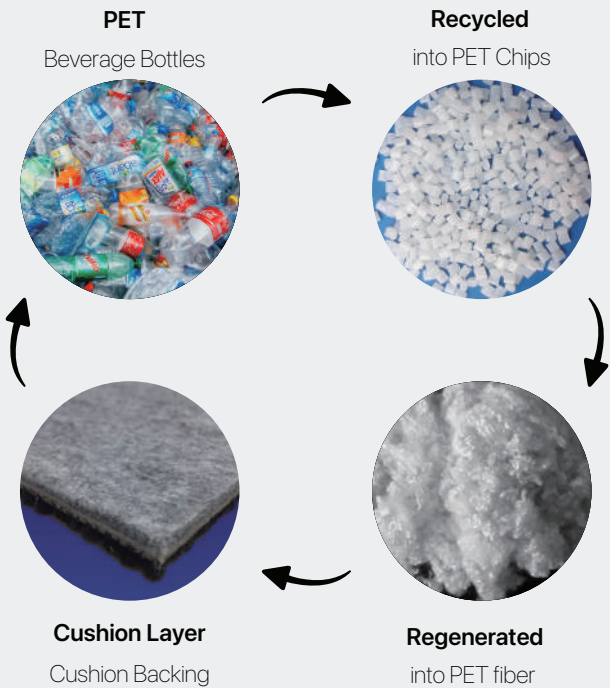


Polyolefin Bac Pro takes your spaces to a higher standard of sustainability to support greater wellness for people and planet. The Polyolefin Bac Pro carpet tile contains recycled content, helping to eliminate the plastic waste stream. It offers superior performance and sustainability to the carpets.



Advantages

- Comfortable Underfoot**
Cushion backing tile helps reduce fatigue
- Noise Reduction**
Absorbs sound for better acoustics
- Dimensional Stability**
Maintains shape and appearance
- Hydrophobic Cushion Backing**
Repels moisture, prevents damage
- Eco-friendly Materials**
No plasticizers, PVC, or bitumen
- Sustainable Backing**
Made from 100% recycled PET bottles
- Green Building Support**
Contributes to LEED®, WELL & more
- Certified Performance**
CRI Green Label Plus & low carbon
- Lightweight & Efficient**
Easier shipping, lower freight cost.



Performance Comparison

Feature	Nylon 6	PolyLux	Polypropylene
Heat Resistance	★★	★★	★
Flame Resistance	★★	★★	★
Stain Resistance	★ (exception for stain resistance treated nylon)	★★★	★★
Hydrophobic Property (Low moisture absorption speeds drying and reduces mold risk)	★★	★★★	★★★
Resiliency	★★★	★★	★