

Blackout Fabric

UV-stabilized Blackout Fabric for 99–100% light exclusion and photoperiod control—durable, laminated options with reinforced edges for greenhouses and nurseries. Available from STIPL Agritech (GreenPro).



100% light-blocking fabric for photoperiod & climate control

UV-stabilized blackout screens that exclude external light, reduce heat gain, and enable precise flowering/photoperiod management in protected cultivation.

Blackout Fabric is a high-performance, UV-stabilized covering engineered to block incoming light and help create controlled dark periods inside greenhouses and nurseries. By eliminating stray light and diffused glare, it supports reliable photoperiod manipulation, uniform flowering, and reduced heat load during hot spells.

- **Material:** Opaque multilayer PE/PP fabric (knit or woven) with specialized light-blocking layers
- **Light exclusion:** ~99–100% (installation dependent)
- **Options:** Laminated/film-backed, reinforced edges, eyelets, joining strips
- **UV Life:** Long-life stabilization for outdoor/indoor use
- **Widths:** Panels up to ~6–12 m (custom sizes available)

Applications

- Photoperiod control for floriculture and nursery crops
- Dark-room/short-day houses, research facilities, tissue-culture units
- Shade/dark partitions in protected structures and work areas

Advantages

- Near-total light exclusion for dependable flowering schedules
- Helps lower internal heat load vs. transparent covers
- Durable, tear-resistant and easy to install/maintain
- Customizable hardware for fast deployment and clean sealing

Installation Tip: Provide overlap at seams and seal edges to eliminate light leaks; maintain gentle slope for runoff; periodically clean to remove dust for long service life.

Total Light Exclusion

99% blackout for precise flowering control.

Durable Construction

UV-stabilized fabric for long-term dark rooms.

Climate Control

Maintains stable conditions for sensitive crops.