

# SUSTAINABLE SOLAR FABRICS

Window shades are an important part of a sustainable building design. Draper offers many eco-friendly fabric options, depending on what is most important to you.

Below is information on some of our most popular sustainability categories. On the reverse side of this document, you will find a list of renewable solar fabrics and their various traits. For a complete and always up-to-date listing of shade fabrics filtered by environmentally friendly traits, see our online Fabric Tool.

**PFA FREE:** PFAs (short for Per- and polyfluoroalkyl substances) are man-made chemicals that have been in widespread use for decades. While research is ongoing into the side effects of exposure to different PFAS, it is known that some PFAs have health risks – including cancer and developmental issues – even in very small amounts. All Draper fabrics manufactured by Phifer and Mermet USA are 100% free of PFAs.

**RECYCLED ... AND RECYCLABLE:** There are several options if your main goal is to keep as much as possible out of the landfill.

Greenscreen Evolve™ and Revive™ by Mermet USA: Evolve and Revive are 100% polyester fabrics that contain high percentages of Repeve, which is recycled and recyclable material from water bottles. It is naturally flame resistant, Red List compliant, PVC-free, and halogen-free.

GreenScreen Evolve contains 78% recycled content made from 100% post-industrial fiber and consumer plastic waste. GreenScreen Revive contains 89% recycled content of post consumer and post-industrial plastic waste.

Phifer SheerWeave® Infinity2 is 100% Thermoplastic Olefin (TPO), 100% recycled, 100% recyclable, and PVC-free.

**PVC-FREE:** Polyvinyl chloride, or vinyl, is found in most shade fabrics. Although shade fabrics with vinyl compounds are safe, Draper offers a number of PVC-free shade fabrics. For a complete list please consult the back side of this document.

**ANTIMONY TRIOXIDE-FREE (ATF):** This white, odorless powder is used in flame retardants, among other things. Draper has a number of PVC-free shade fabrics from which to choose. For a complete list please consult the back side of this document.

**FABRICS WITH DOW ECOLIBRIUM:** DOW ECOLIBRIUM™ is a bio-based plasticizer that is a renewable, phthalate-free alternative. Using this bio-based plasticizer in shade material cuts greenhouse gas emissions by as much as 40% versus existing PVC compounds. Since it's mostly from non-fossil fuel-based feed stock, there's a much lower carbon footprint, as well.



# SUSTAINABLE SOLAR FABRICS CHART

	Mermet GreenScreen Evolve	Mermet GreenScreen Revive	Phifer SheerWeave Infinity2	Phifer SheerWeave 8000	Phifer SheerWeave 4000, 4001, 4100, 4400
Openness	3%	1%, 5%	1%, 3%, 5%	3%	1%, 3%, 5%, 10%
Composition	100% Polyester	100% Polyester	100% TPO	100% Polyester	25% Polyester, 75% Vinyl
PVC Free	✓	✓	✓	✓	
DOW Ecolibrium					✓
Recyclable	✓	✓	✓	✓	
Phthalate-Free	✓	✓	✓	✓	✓
Red List Compliant	✓	✓			
DECLARE Label	✓	✓			
Cradle to Cradle (with Rating)	✓ Bronze	✓ Bronze		✓ Bronze	
Greenguard Gold	✓	✓	✓	✓	✓
Health Product Declaration	✓	✓	✓		✓
ATF	✓	✓		✓	



To access the online fabric tool, please visit the Window Shade Fabrics page:  
<https://www.draperinc.com/windowshades/shadefabric/>

Please Note: Mermet® USA provides Environmental Product Declarations (EPD) for several shade fabrics, and they are available on the online fabric tool. An EPD contains environmental information on a product throughout its life cycle.