



WHICH DEC-TEC DIY MEMBRANES PROVIDE A WARMER OR COOLER DECK SURFACE?

Are you trying to decide which Dec-Tec DIY membrane is right for you based on which will give you a predictively warmer or cooler deck surface?

Your deck surface does contribute to a warmer or cooler living space. This is an important consideration, as you may want to have a warmer deck under foot or cooler deck underfoot.

To help make your decision, we offer the following information that ties Solar Reflection and Dec-Tec DIY membranes together.

What is Solar Reflectance?

Solar Reflectance measures the amount of solar energy reflected. 0% indicates that no solar energy is reflected and 100% indicates that all the solar energy is reflected from the surface.

What is Solar Reflective Index (SRI)?

Solar Reflective Index (SRI) measures the relative “steady-state surface temperature” of a surface with respect to the standard white (SRI=100) and the standard black (SRI=0) under the standard solar and ambient conditions.

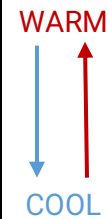
How did we test?

All test data was calculated and measured by ATLAS Weathering Services Group. SRI is calculated from ASTM E1980. Hemispherical spectral reflectance measurements were performed in accordance with ASTM Standard Test Method E903. The total reflectance was obtained by integrating the spectral data against Air Mass 1.5 (ASTM G173) solar spectrum.

The following table shows the spectral data received for Dec-Tec DIY membranes (warmest to coolest membrane).



Dec-Tec DIY Membranes	% Solar Reflectance	SRI
Camouflage Tan	26.2	27
Ridgeline Tan	29.1	31
Promenade Tan	38.0	42
Promenade Grey	47.3	54
Camouflage Grey	50.3	58
Ridgeline Grey	55.8	67



Benefits:

- Understanding and knowing the SRI value may be useful when selecting the ideal Dec-Tec DIY membrane for your climate conditions and deck use.
 - Lower SRI value indicates a membrane that is likely to absorb more heat and become hotter under sunlight.
 - Higher SRI value indicates a membrane that is likely to reflect more heat and stay cooler under sunlight.
- If the deck is over a living space, choosing the right membrane can influence the indoor ambient air temperature.

Other factors to consider, that contribute to a warmer or cooler outdoor deck surface, include but are not limited to:

- Building Siding
- Glass Windows
- Railing
- Deck slope & orientation to the sun
- Furniture and canopies

We trust this has been informative and **thank you for considering Dec-Tec DIY** for your outdoor living space!