

# A GREENER SHADING SOLUTION

Outlook fabrics are manufactured using Dow Ecolibrium™ bio-based plasticisers which offer a renewable alternative that is phthalate-free, offering a more sustainable option while having the same great performance and feel of current materials.

This data sheet shows the reduction of Petroleum Feedstock and CO2 avoidance in comparison to other, non bio-based manufactured screen fabrics.

## Phifer Ecolibrium vs Non Bio-Based Screen Fabrics

| Petroleum Savings (Litres) and CO2/greenhouse gas avoidance (Kilograms)<br><small>*Values shown in this table are approximate</small> | Per Square Metre                 | Per 220cm Width Roll    | Per 275cm Width Roll    | Per 320cm width Roll    |
|---|----------------------------------|-------------------------|-------------------------|-------------------------|
| <b>Mode 5%</b>  | 0.0810 Litres of Petroleum saved | 5.35 Litres per Roll    | 6.68 Litres per Roll    | 7.78 Litres per Roll    |
|   | 0.1868 Kg of CO2 avoided         | 12.33 Kg of Co2 avoided | 15.41 Kg of Co2 avoided | 17.93 Kg of Co2 avoided |
| <b>Mode Privacy</b>   | 0.0980 Litres of Petroleum saved | 6.47 Litres per Roll    | 8.09 Litres per Roll    | 9.41 Litres per Roll    |
|   | 0.2264 Kg of CO2 avoided         | 14.94 Kg of Co2 avoided | 18.68 Kg of Co2 avoided | 21.73 Kg of Co2 avoided |
| <b>Outlook Designs 10%</b>  | 0.0761 Litres of Petroleum saved | 5.02 Litres per Roll    | 6.28 Litres per Roll    | 7.31 Litres per Roll    |
|   | 0.1753 Kg of CO2 avoided         | 11.57 Kg of Co2 avoided | 14.46 Kg of Co2 avoided | 16.83 Kg of Co2 avoided |

Calculations for the reduction of Petroleum Feedstock and CO2 avoidance is based on the complete one to one replacement of the phthalate based plasticiser (derived from petroleum feedstock) with the Bio-based Ecolibrium plasticiser from Dow Inc. The amount of feedstock necessary to produce the conventional phthalate plasticiser required for producing one kg of finished vinyl compound is used in the calculation to determine the total amount of feedstock not required to produce the actual vinyl contained within each square metre of finished fabric. The CO2 avoidance is based on information taken directly from the LCA provided by Dow Inc. for the Ecolibrium product. This information is then used in the calculation to determine the CO2 avoided while producing the actual vinyl contained within each square metre of finished fabric.

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