

TROSIFOL SOLAR R40 ULTRA WHITE – higher reflexion values on the rear glass

Premiered at the 24th European Photovoltaic Solar Energy Conference and Exhibition in Hamburg, the new reflective film increases module efficiency by up to 2 per cent.

Thanks to the effective combination of several measures (optimized sequence of layers), it will now be possible to increase the efficiency of solar cells by up to 2 per cent with the new TROSIFOL SOLAR R40 ULTRA WHITE PVB film. This is because the new PVB film contains white pigments of extra-high whiteness. The light not absorbed by the solar cell first time around is almost completely reflected by the white film and returned to the solar cell so that it can also be converted into electrical energy. Compared to the reflective layers used on the rear glass to date, the process with the new white film is price wise attractive and more efficient.

The new films also render superfluous the currently used white reflective coatings baked onto the rear of the cell in an elaborate process. The process costs for the module as a whole can thus be reduced.

TROSIFOL SOLAR R40 ULTRA WHITE is a multifunctional product. It combines the familiar advantages of TROSIFOL SOLAR PVB films for the encapsulation of solar cells with the outstanding reflective properties over a broad light wavelength range otherwise only achievable with a further reflective layer or paint film.

TROSIFOL ULTRA WHITE also displays higher electrical resistance values than standard TROSIFOL SOLAR products.

21st September 2009

We look forward to seeing you at the 24th European Photovoltaic Solar Energy Conference and Exhibition in Hamburg.
Hall B6, Stand B6/95

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www.trosifol.com

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Press contact:

Jörg Theesfeld, Head of Business Development & Marketing
Kuraray Europe GmbH, Division TROSIFOL,
Mülheimer Strasse 26, 53840 Troisdorf, Germany
Phone +49 (0) 22 41 / 2555 202
Fax +49 (0) 22 41 / 2555 299
E-Mail trosifol@kuraray.eu