



ETHOCEL™ binder for
conductive photovoltaic paste inks



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Lines of conductive paste ink, made from solvents, binders, metal powder and glass frit, are screen-printed onto solar panel modules. The outstanding rheology of ETHOCEL™ allows screen-printing of narrow and high electrodes with sharp edges. Thanks to the high purity of ETHOCEL™ it burns off completely, leaving highly conductive electrodes required for high efficiency solar panels.

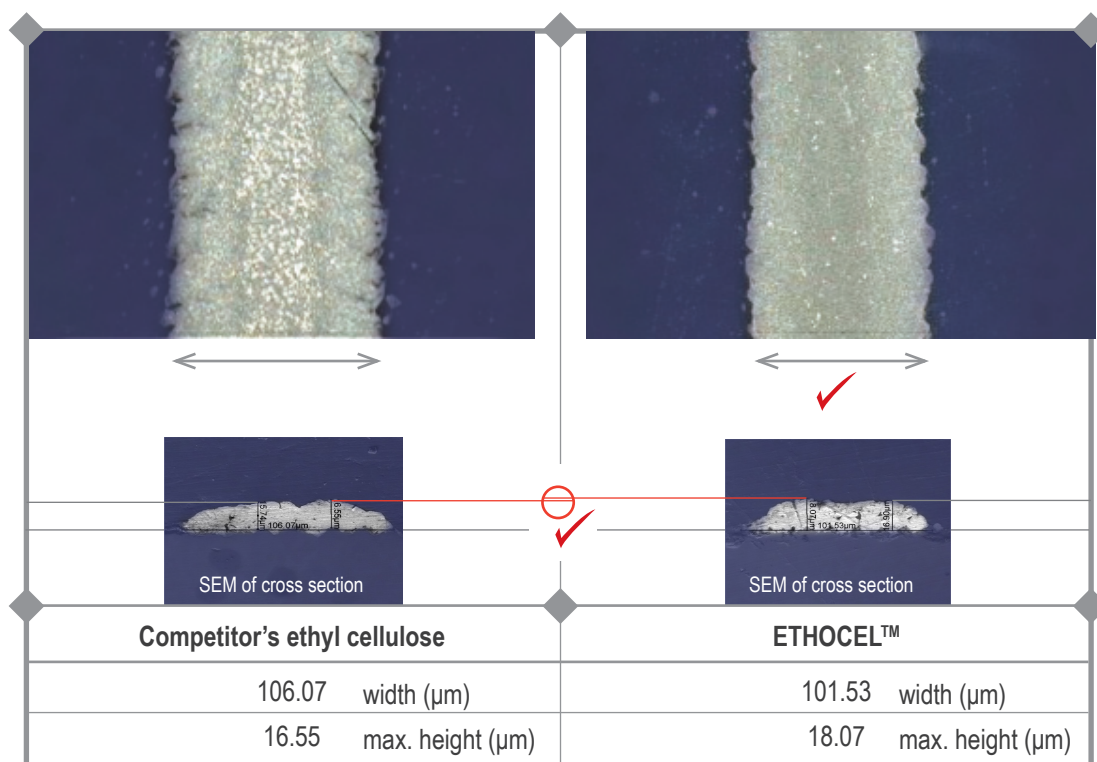
ETHOCEL™ is the ideal binder for photovoltaic paste inks, due to its high purity, clean burn-out, adjustable rheological performance and outstanding batch-to-batch consistency

- Best performing ethyl cellulose with unique organo-solubility and outstanding stability due to advanced production process
- Good solubility and low impurities allows reduction of filtering costs
- Narrower and higher electrodes with sharper edges that contribute to high conversion rates for photovoltaic cells
- Formulation flexibility and reduced rheology adjustment costs

Raw material comparison - results after screen printing *

Compared to competitor's material, ETHOCEL™ provides:

- Narrower and higher lines
- Sharper edges



* Results from internal trials



For more information please visit www.dowwolff.com

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