

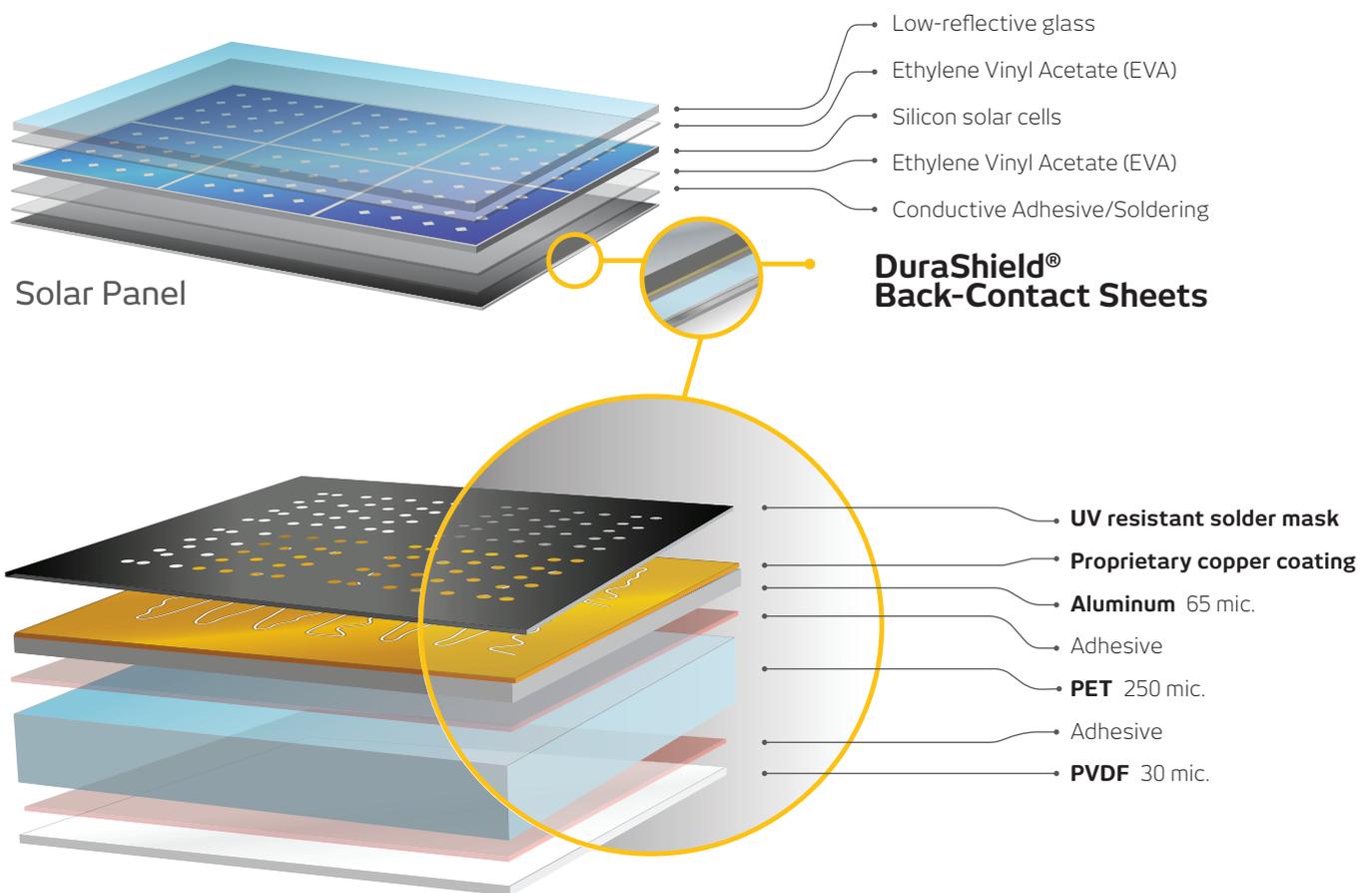
# DuraShield® Back-Contact Sheets

## Back-contact foil with integrated electrical connections

DuraShield® Back-Contact sheets are compatible with MWT, EWT, IBC and other back-contact technologies, integrating electrical circuitry into the backsheet itself.

Hanita's patent-pending technology reduces unit costs by replacing copper with a special aluminum layer that still allows panel manufacturers to use standard adhesives and soldering processes.

DuraShield® Back Contact sheets are also available with Fluoropolymeric coating outer layer replacing the PVDF film for even better cost-effectiveness with the same long lasting performance.



DuraShield® Back-Contact Sheet

## The Durashield® Back Contact Advantages

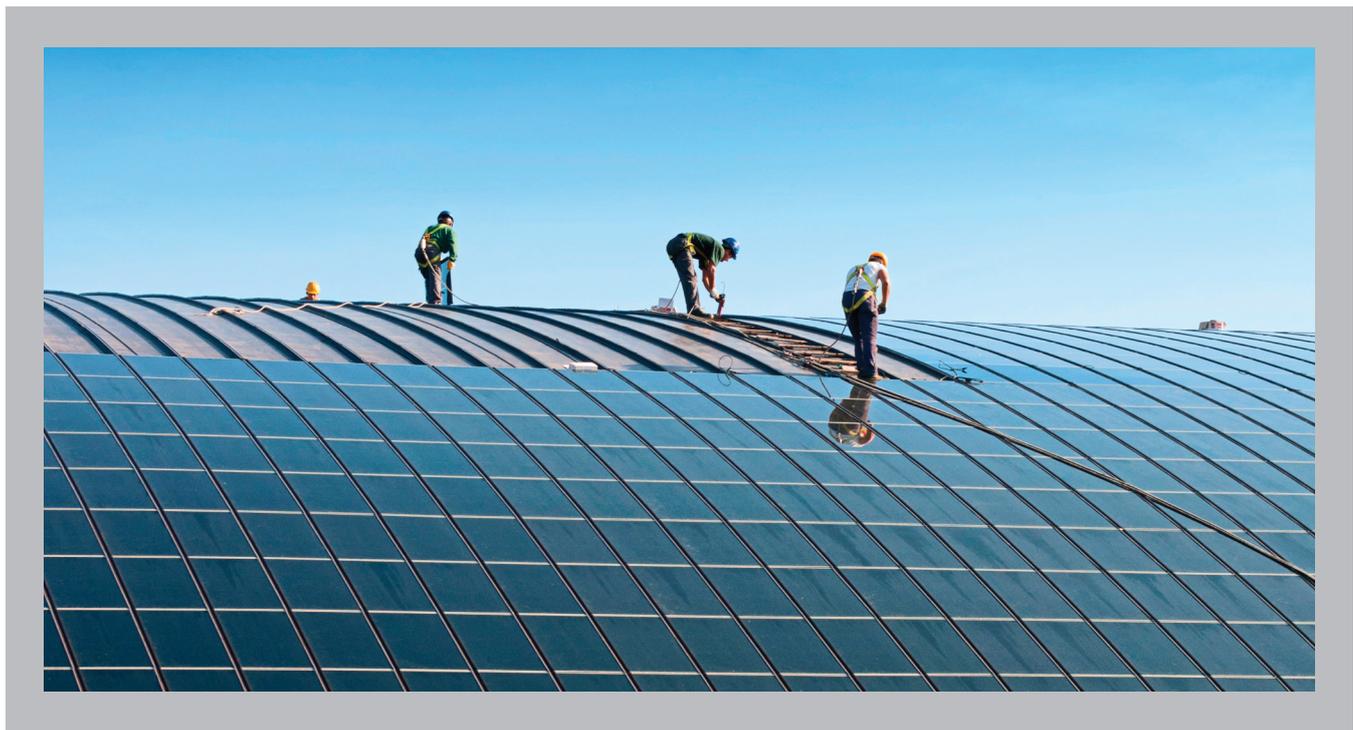
- Breakthrough technology
- Highly Economical Solution with no performance compromise
- Dimensionally stability
- High Weatherability
- Compatible with standard materials and production processes
- Wide variety of color options

# Specifications\*

Item Number :

Item Number :		Total laminate	Test method
Appearance		Outer side: White Inner side: White/Black/Blue	
Thickness	(micron) (mil)	340 ±5% 13.38	Thwing-Albert thickness tester
Area yield	(m <sup>2</sup> /kg) (ft <sup>2</sup> /lb)	1.7 8.33	
Tensile strength	(Mpa) (Kpsi)	<b>MD</b> 100 14.5	<b>TD</b> 100 14.5 ASTM D882
Elongation at break	(%)	<b>MD</b> 8	<b>TD</b> 8 ASTM D882
Shrinkage	(MD/TD) (%)	< 1.0	After 30 minutes at 150 °C
Interlayer peel strength	(N/cm) (g/in.)	≥ 5 ≥ 1270	180°C peel
EVA peel strength	(N/cm) (g/in.)	> 30 > 7467	Internal
Partial discharge test	(VDC)	> 1000**	IEC 60664-1

\* Preliminary \*\* = TUV pending



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