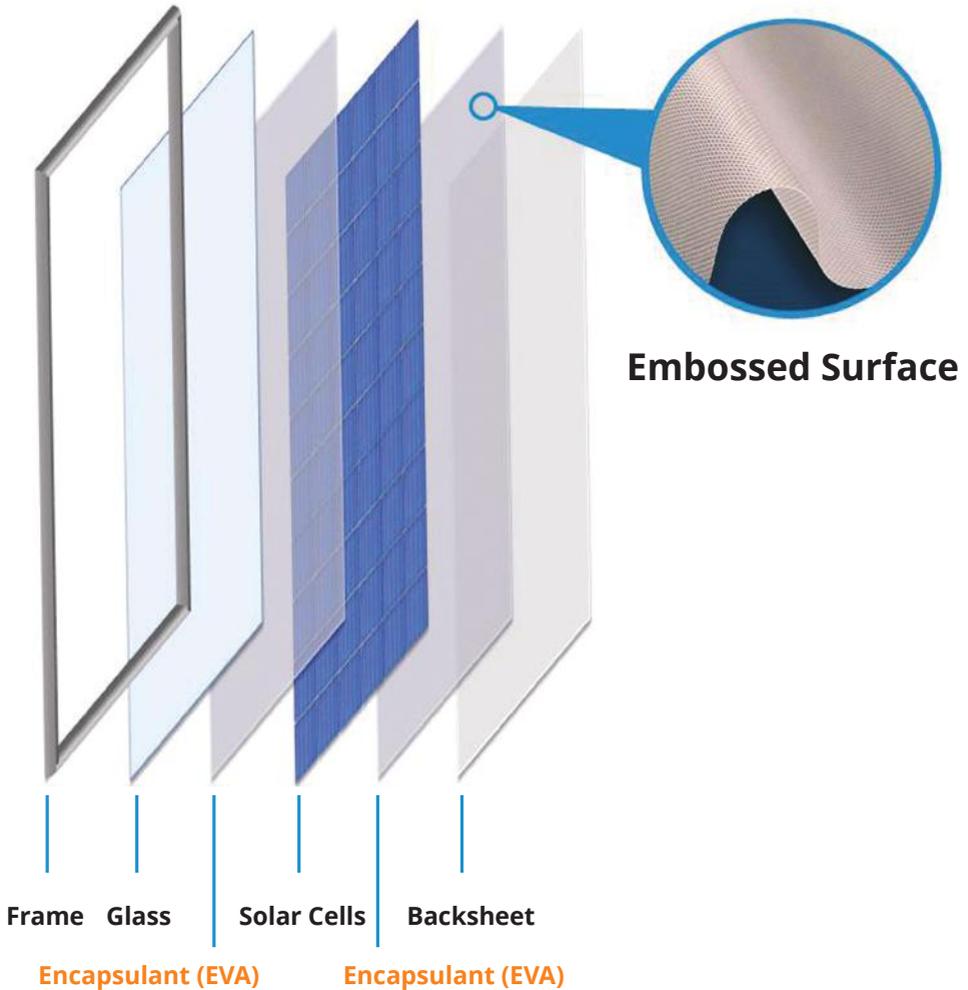


# CONSERV A UVT 14 FC EVA Encapsulant



'CONSERV A UVT - 14 FC' is a wide process window curable, UV stable and weather stable Ethyl Vinyl Acetate (EVA) PV Encapsulant proven for single stage as well as short cycle multi stage lamination processes. It is an UV transparent PV Encapsulant used as top layer towards the glass for all Crystalline PV Modules. It allows PV Modules comprising blue - light sensitive PV Cells of a given efficiency, to generate higher power.

## PROPERTIES

Particulars	Test Method	Unit	Values
Thickness	ASTM D 6988 - 08	mm	0.45 ± 5%
Width	Scale	mm	Up to 1240
Melting Point	ISO 11357 - 3	°C	70 ± 2
Surface type	Visual	Unit	Inside: Matt; Outside: Embossed Supplied without Masking Paper
Tensile Strength	ASTM D 638	MPa	15 ± 3
Tensile Strain	ASTM D 638	%	≥ 500
Shore Hardness	ASTM D 2240	Shore - A	70 ± 5
Water Absorption	ISO 62 - 200805	%	≤ 0.1
Adhesion to Glass	ASTM D 903	N/cm	≥ 100
Adhesion to Backsheet	ASTM D 903	N/cm	≥ 100
Thermal Shrinkage	160°C, 5 min. on Glass Plate	%	≤ 2
Optical Transmittance	ASTM E 424	%	≥ 91
UV Cut Off Wavelength	ASTM E 424	nm	UV transparent
Refractive Index	ISO 489		1.48
Dielectric Strength	ASTM D149	kV/mm	≥ 25
Volume Resistivity	ASTM D 257	Ohm.cm	≥ 1x10 <sup>14</sup>
Gel Content	Soxhlet Method	%	≥ 80
<b>Lamination Parameters</b>	<b>Single Stage</b>	<b>Double Stage (Stage 1)</b>	<b>Double Stage (Stage 2)</b>
Evacuation Time (Minute)	3 - 5	4 - 6	
Lamination Time (Minute)	8 - 10	2 - 4	6 - 9
Temperature ( °C )	145 - 150	145 - 150	

Storage Condition and Shelf Life: Store in undamaged original packaging, temperature between 0°C and 30°C and humidity below 60% RH. Recommended to use within 9 months from the date of manufacture.

PACKING: Unless specified, below is the standard packing of 'CONSERV'

# Length/Roll: 150 metres | # No. of Rolls/Pallet: 9 or 12 |

# Total Linear Metres/Pallet: 1350 or 1800

# Each roll is sealed in a protective bag in a corrugated box | # Boxes are strapped on suitable pallets

Note: The above technical information represents the typical range of properties and is believed to be correct as on date. This data should however not be used to establish specification limits or used as basis for design. RenewSys gives no warranty and assumes no liability in connection with any use of this information and is subject to the RenewSys general terms and conditions.



**CONSERV®**  
E 360 - POE  
Encapsulant