Insulation System:	HiBRID*
Description	Resin rich hot pressed cell incorporating VPI accepting material applied to the coil extensions
Up to 15,000V	V
Guaranteed Flexibility in outhangs	V
Full Corona Protection on Coils ≥ 6,000V	V
Guaranteed Storage Life Under Approved Conditions	
Optional Tropical Climate Protection	<b>~</b>
Guaranteed Tan δ / Tip Up Integrity	V
Thermal Performance:	
Class F155°C	V
Class H180°C	
Class C220°C	
Surge Comparison or Turn To Turn Tested	V
AC Flash Tested	V
Moisture Proof Capability	V
Oven Baking Required To Cure	V
Fully Cured Before Insertion	
Tested Before Dispatch	V



## Our unique insulation system combining the merits of VPI and resin rich technology

HiBRID™ is a fully testable and flexible system pre-VPI, and a fully waterproof system post-VPI.

It guarantees the virtues that both VPI and resin rich technology offer, with the drawbacks of neither.

Our experience showed inherent electrical failures occurred inside the slot of VPI machines, leaving a life expectancy of roughly 5 - 6 years. However, resin rich systems acted in reverse. The life expectancy was longer but the failures occurred in the outhang (coil extension) rather than inside the slot.

Therefore HiBRID™ comprises a hot pressed resin rich cell, scarfed into a VPI accepting outhang (coil extension), providing:

- Guaranteed slot fill
- World leading tan delta figures
- Excellent flexibility
- · All coils are fully testable prior to varnishing

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