

## High Purity Kiln Furniture: Cover Plates & Liners

ENrG offers high purity, porous cover plates and liners demanded by SOFC component manufacturers. Cover plates and liners are used during the flat firing of green ceramic plates for the manufacture of SOFC and other fuel cell electrolyte substrates. Available in standard or custom geometries, the cover plate serves as a weight during firing to reduce camber, warping or bowing while being gas permeable.

High purity liner plates protect critical SOFC components to avoid impurities from kiln furniture during sensitive organic burnout and sintering or flat firing. ENrG products will improve your component processing capabilities.

Standard 3Y Zirconia plates come in 150 x 150 mm and 240 x 240 mm sizes, and 8Y Zirconia is available in 150 x 150 mm only. ENrG can produce products with customized specifications to meet your exact requirements.

- Porosity: 30% nominal
- Area: To 240 mm x 240 mm
- Thickness: 0.65 mm
- Temperatures: up to 1500° C

### BENEFITS:

No Contamination  
High Strength  
Multiple-use firing cycles

Low camber  
Custom sizes available



**For more information contact:**  
Tel: (716) 873-2939 ext. 210

**Kathy Olenick, General Manager**  
Email: [kolenick@enrg-inc.com](mailto:kolenick@enrg-inc.com)



Ceramic Technology for Clean Energy

## High Purity Kiln Furniture: Cover Plates and Liners

Porous Cover Plates and Liners			
PRODUCT NUMBER	MATERIAL	FIRED SIZE (L x W mm)*	THICKNESS (mm)*
3ZP150-65	3YSZ	150 x 150	0.65
3ZP240-65	3YSZ	240 x 240	0.65
8ZP150-65	8YSZ	150 x 150	0.65

\*Please inquire for custom sizes      YSZ = Yttria Stabilized Zirconia

**For more information contact:**  
Tel: (716) 873-2939 ext. 210

**Kathy Olenick, General Manager**  
Email: [kolenick@enrg-inc.com](mailto:kolenick@enrg-inc.com)