ESL ELECTROSCIENCE
CERAMIC TAPES & THICK-FILM MATERIALS
416 EAST CHURCH ROAD
KING OF PRUSSIA, PA 19406-2625, U.S.A
T: 610-272-8000
F: 610-272-6759
www.electroscience.com

POROUS ZIRCONIA COVER PLATE 42510-x

RoHS Compliant*

ESL 42510 is a porous, fired zirconia ceramic plate used to cover green ceramic parts during firing. The weight of the porous plate enhances the flatness of fired parts while retaining gas permeability during organic removal, thus allowing single firing. The plate may also be used as a setter to promote more uniform burnout of binders during firing. Uses include Fuel Cell applications such as SOFC electrolyte substrates, and other processing of ceramic tape.

ESL cover plates are available in several standard sizes as shown below, and in customer-specific configurations.

DATA:

THICKNESS:	1 mm nominal or as required
THICKNESS TOLERANCE	mean ± 10%
CAMBER (parallel plate gauge)	0.5 mm/100 mm
MAXIMUM USE TEMPERATURE	up to 1550°C
RECOMMENDED USE TEMPERATURE	up to 1450°C
RE-FLATTENING TEMPERATURE	1550°C

SIZES AVAILABLE (mm)

42510-2 50 x 50

42510-3 75 x 75

42510-4 100 x 100

42510-5 125 x 125

42510-6 150 x 150

ESL Affiliates
ESL Europe (Agmet Ltd) • 8 Commercial Road • Reading • Berkshire • England • RG2 0QZ • Tel: +44 (0) 118 918 2400 • Fax: +44 (0) 118 986 7331 • Sales@ESLEurope.co.uk

ESL Nippon • Sukegawa Bldg. • 6th floor • 3-4 Yanagibashi 1-chome • Taito-ku • Tokyo 111, Japan • Tel: +81-3-3864-8521 • Fax: +81-3-3864-9270 • Sales@ESL-Nippon.co.jp

ESL China • Room #1707, Tower A, City Center of Shanghai • 100 Zunyi Road • Shanghai, China 200051 • Tel: +86-21-6237-0336 and 0337 • Fax: +86-21-6237-0338
ESLChina@eslshanghai.net

Blank page

***None of the six substances referred to in the RoHS Directive (2002/95/EC) are used in the formulation of this product.**

CAUTION: Proper industrial safety precautions should be exercised in using these products. Use with adequate ventilation. Avoid prolonged contact with skin or inhalation of any vapours emitted during use or heating of these compositions. The use of safety eye goggles, gloves or hand protection creams is recommended. Wash hands or skin thoroughly with soap and water after using these products. Do not eat or smoke in areas where these materials are used. Refer to appropriate MSDS sheet.