



New South Wales  
Department of Mineral Resources

**COAL MINES REGULATION ACT, 1982**

File No.: C92/0256  
Date: 15th July 1992

**CERTIFICATE OF EXAMINATION,**  
issued under the provisions of Clause 8 of the  
**COAL MINES REGULATION (Approval of Items) REGULATION, 1984**

**PRODUCT NAME:** Poly Grid Mesh

**APPLICANT:** ANI Arnall  
25 Pacific Highway  
BENNETT'S GREEN, N.S.W.

**DESCRIPTION:** Black polypropylene mesh with 5cm square apertures  
for the support of surfaces in underground coal  
mines.

The above product has been examined for the following properties:-

**FLAMMABILITY:** This mesh was tested in accordance with the  
methods detailed in NCB Specification 245-1985  
Appendix 2 and was found to have zero persistence  
of flame and afterglow and therefore passed the  
test requirements.

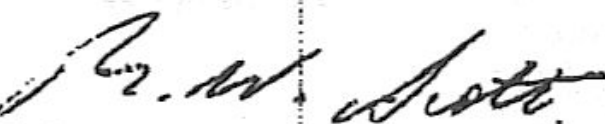
**ELECTRICAL RESISTIVITY:** The material from which the mesh is made was  
found to have an electrical resistance in the  
range of  $3-5 \times 10^{12}$  ohms.

This Certification of Examination is issued to indicate that in the  
opinion of the Chief Inspector of Coal Mines the above item is  
suitable for use in underground coal and shale mines of New South  
Wales provided that it is supplied and used in accordance with the  
requirements of the Occupational Health & Safety Act, 1983, and the  
Coal Mines Regulation Act, 1982 and subject to the following  
conditions:-

- (1) The requirements of any standards or other legislation (such as  
the Dangerous Goods Act, 1985) relating to the packaging,  
storage, handling, labelling and use and the provision of  
adequate safety information shall be observed by the supplier  
and any relevant safety requirements shall be brought to the  
attention of the Manager of the mine.

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- (2) This Certificate applies only to the fire resistance and electrical resistivity of the mesh and not to its strength.
- (3) The mesh must remain fire resistant while in use underground.
- (4) Users must ensure that the mesh is safe for its intended use.
- (5) The mesh must not be used for lifting and a warning to indicate this must be shown on the packaging.
- (6) This Certificate applies only to the mesh submitted for examination and reported in the Department's Mine Safety Unit test report no. 91/725, March 1992 and any change may required a new Certificate.
- (7) Marking  
At least the packaging of the mesh shall be legibly and indelibly marked with not less than the following identification:-
  - (a) the suppliers name, brand or mark,
  - (b) the warning referred to in condition (5) above.
- (8) A copy of this certificate must be supplied to each Manager of a mine who uses this mesh.



R W Scott  
Senior Inspector of Coal Mines (Special Duties)  
for and on behalf of the CHIEF INSPECTOR OF COAL MINES