

TECHNICAL BULLETIN NO 6 MARCH 2006

FIRE PERFORMANCE OF FIBREGLASS SHEETING

This technical bulletin details fire testing that was undertaken by AWTA textile testing of Melbourne, Australia. Report Number 7-438755-CV. The test was performed on 2400 GSM / 1.4mm GRP sheet in a 5 rib profile 30mm in height.

The test was performed to AS 1530 3.1989: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release.

Results As Follows

DISCRIPTION	MEAN	STANDARD ERROR
Ignition Time	5.89 min	0.27
Flame Propagation Times	11.1 s	1.3
Heat Released Integral	643.8 kj/m2	20.3
Smoke Release, Log D	0.4973	0.0147
Optical Density D	3.1567/m	

Number of specimens ignited: 9
Number of specimens tested: 9

REGULATORY INDICEES	UNITS	RANGE
Ignitability Index	14	0 - 20
Spread of Flame Index	9	0 - 10
Heat Evolved Index	10	0 - 10
Smoke Developed Index	9	0 - 10

GRP (glass reinforced polyester) sheet has a flash point of 340-400 deg C and a self ignition point 480-490 deg C.

Please contact your local Ampelite branch for the full test report