CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner

MEA 359-02-M
Report of Material and Equipment Acceptance Division

Manufacturer- Pioneer Building Products of Taishan Ltd., No. 8 Dragon Hill Industrial District, Danfun, Taishan, Guangdong, Peoples Republic of China.
Trade Name- DragonBoard.
Product – Solid sheet material for sheathing, sub-flooring, wall panels.
Pertinent Code Section – 27-348.
Prescribed Tests – ASTM E-84 (flame spread, smoke), Toxicity.
Laboratory – New York Product Testing & Services Inc. and Southwest Research Institute.
Test Reports– New York Testing Report No. 02-107473, 02-107473A, 02-107473B, 02-107499. SwRI Report No. 01.06062.01.034a dated February 2003.
Description – Solid composite sheet material suitable for use in horizontal or vertical applications for sheathing, sub-flooring and wall panels. The material is a homogeneous mineral material containing a mixture of magnesium oxide, magnesium chloride, water, talcum powder, wood bran and glass fiber cloth. The panels are produced in several thicknesses (4 mm, 8 mm, 10 mm, 14 mm, 18 mm and 22 mm) with other thicknesses available on special order. All panels are composed of the same materials.

Flame spread rating 0 (no flame spread)
Smoke developed 0 (no smoke)

Recommendation – That the above described composite panels be accepted as have a Class A rating, with no flame spread and no smoke developed as indicated above. On exposure to flame, the material did not produce any toxic combustion products. All shipments of the above materials shall be accompanied by a label certifying that the materials shipped are equivalent to those tested and are acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance March/28/2003

Examined by Siu Derkedan

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NYPTS Lab # 03-107499-A

INVESTIGATION OF THE TOXIC POTENCY OF THE COMBUSTION PRODUCTS OF *DRAGONBOARD* IN ACCORDANCE WITH ARTICLE 4, SECTION 27-335.1(2) AND ARTICLE 5, SECTION 27-348E OF THE BUILDING CODE OF THE CITY OF NEW YORK

FINAL REPORT
SwRI® Project No. 01.06062.01.034a
February 2003
Consisting of 16 Pages

Prepared for:

New York Product Testing and Services, Inc.
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Submitted by:

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Director
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ABSTRACT

This test method is intended to measure and describe the properties of materials, products, or assemblies in response to heat and flame under controlled laboratory conditions, and should not be used to describe or appraise the fire hazard or the fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment, which takes into account all the factors that are pertinent to an assessment of the fire hazard of a particular end use.

When tested under the controlled laboratory conditions specified in this report, the LC_{50} value for *DragonBoard* was **59.72 g**, with a 95% confidence interval of 48.38-73.71 g. The Building Code of the City of New York requires the material to be "not more toxic than wood," which requires a passing value of greater than 19.7 g.

When tested in accordance with the combustion toxicity protocol developed at the University of Pittsburgh, the *DragonBoard* **meets** the requirements for interior finish material as defined by Title 27, Chapter 1, Subchapter 5, Article 5, of the Building Code of the City of New York.