



Department of Commerce

Safety & Buildings Division

201 West Washington Avenue

P.O. Box 2658

Madison, WI 53701-2658

Evaluation # 200302-I

Wisconsin Building Products Evaluation

Material

Walk-In Coolers/Freezers
KOLD LOCKER™, FINELINE™ and FAST-TRAK™

Manufacturer

NOR-LAKE Incorporated
727 Second Street
Hudson, WI 54016

SCOPE OF EVALUATION

GENERAL: This report evaluates the use of foam plastic material used in walk-in coolers, freezers and refrigerated facilities, manufactured by NOR-LAKE Incorporated. The panel trade names are KOLD LOCKER™, FINELINE™ and FAST-TRAK™.

- **Foam Plastic Core Material:** The NOR-LAKE Incorporated foam plastic sandwich panels (trade names KOLD LOCKER™, FINELINE™ and FAST-TRAK™), were evaluated under the foam plastic requirements in accordance with ss. **IBC 2603.1, 2603.2, and 2603.3**.
- **Nonstructural Wall and Ceiling Panel:** The NOR-LAKE Incorporated foam plastic sandwich panels (trade names KOLD LOCKER™, FINELINE™ and FAST-TRAK™), were evaluated as a nonstructural insulated wall and ceiling panels used in refrigerated facilities and freezer warehouses in accordance with ss. **IBC 2603.3, IBC 2603.4 and 2603.4.1.3**.

The structural performance and thermal transmission properties of the panels are outside the scope of this evaluation and are subject to specific evaluation and approval by the building plan reviewer.

DESCRIPTION AND USE

The NOR-LAKE Incorporated foam plastic sandwich panels (trade names KOLD LOCKER™, FINELINE™ and FAST-TRAK™), are coolers, freezers and combination cooler/freezers. The units come in outdoor or indoor models, in sizes from 4' x 5' to 8' x 20'. The cooler/freezer panels are 26 gauge, embossed galvanized steel with aluminum coating on all surfaces except interior floor. Panel cores consist of 4-inch thick foamed-in-place HFC-13A polyurethane insulation. A smooth aluminum interior floor is supplied on models with floors. Floor-less models are supplied with NSF listed vinyl sealers.

TESTS AND RESULTS

Factory Mutual Research conducted an **ASTM E84** test on the polyurethane cores (Foam Enterprise's FE 245/FE 800 foam system). The results are as follows: Flame Spread Index 25, Smoke Developed Index 140

Southwest Research Institute conducted an **ASTM D1929** test for flash ignition and self-ignition temperatures test on the polyurethane cores (Foam Enterprise's FE 245/FE 800 foam system): flash ignition 705° F (374° C) and self-ignition 851° F (455° C).

The test data is on file with the department.

LIMITATIONS OF APPROVAL

- **Nonstructural Wall and Ceiling Panel:** The NOR-LAKE Incorporated foam plastic sandwich panels (trade names KOLD LOCKER™, FINELINE™ and FAST-TRAK™ are approved for use as refrigerated facilities and freezer warehouses), required under **ss. IBC 2603.3, IBC 2603.4 and 2603.4.1.3.**

Installation shall be in accordance with the Factory Mutual Research listings, the manufacturer's instructions and this evaluation. In the event of conflicts, the more strict requirements shall govern.

Installation and maintenance shall be in accordance with the manufacturer's instructions.

The NOR-LAKE panels shall bear the UL, FM and NSF labels. The use of R-12 as a blowing agent is prohibited.

This approval will be valid through December 31, 2008, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date:

Approval Date: April 4, 2003

By: _____

Lee E. Finley, Jr.
Product & Material Review
Integrated Services Bureau