

International Fibre Board Limited



Insulating Building Board



Non-Inflammable Insulating Building Board

Sales Offices

OTTAWA—MONTREAL—TORONTO—WINNIPEG
Administrative Offices and Mills: GATINEAU, QUE.

London Office

THE TENTEST FIBRE BOARD CO. (1929) LTD.
ASTOR HOUSE, ALDWYCH, LONDON, W. C. 2., ENGLAND

TEN/TEST is a manufactured lumber made from spruce fibres, solidly pressed under hydraulic pressure into a strong, homogeneous board. The fibres are chemically treated and water-proofed during process of manufacture, until the insulation is non-hygroscopic, free from capillary attraction and moisture-resisting in service commensurate with the maximum degree of insulation obtainable.

Official Tests

Conductivity. TEN/TEST has a conductivity of 0.33 B.T.U. per hour per square foot per degree Fahr. per 1 in. thick. Authority: Professor E. A. Allcut, M. Sc. M. I. Mech. E. Mem. A.S.M.E. Professor of Applied Mechanics, University of Toronto. Tests performed by Hot-Plate method. Mean temperature 47.8 deg.

Tensile Strength 228 lb. per sq. in. Tests made on $\frac{3}{16}$ in. board cut to strips 1 in. wide and tested in a Riehle Tensile Testing Machine, the grips being 2 in. apart. 228 lb. is the mean average of seven series of tests.

Transverse Strength (equal deflection) is 28.4 lb. Test made on $\frac{3}{16}$ in. board, 6 in. wide, 18 in. long, on 12 in. centers, and load being applied to breaking point.

Plaster Bonding Strength 2163 lb. per sq. ft. Brown and scratch plaster coats were applied to standard $\frac{3}{16}$ in. board, and the pull registered in an Oslen Testing Machine. Authority: Columbia University Testing Laboratories, New York.

Moisture Resisting. TEN/TEST, after complete immersion in water for 24 hours, registered 37.5% increase in weight.

NOTE.—Authority for tensile strength, transverse and moisture tests; J. T. Donald & Co., Ltd., Chemical Analysts and Engineers, Montreal, Que.

TEN/TEST Products

TEN/TEST Insulating Building Board. Standard insulation for use as exterior sheathing, interior finish; between walls and under floors for sound deadening. Standard Industrial Insulation for refrigeration and the prevention of condensation. Manufactured in convenient sizes: 4 ft. wide and up to 17 ft. long, $\frac{1}{2}$ in. to 2 in. thick.

TEN/TEST Notch Board Plaster Base. Insulating plaster base having tongue and groove interlocking joints. Provides an effective bond with plaster without use of metal lath at joints. Sizes: 16 in. wide; 32 in. and 47 $\frac{3}{4}$ in. long. Thicknesses from $\frac{1}{2}$ in. to 2 in.

TEN/TEST Roof Board. An effective roof insulation. Manufactured in two sizes: 1 x 4 ft. and 2 x 4 ft. Thicknesses from $\frac{1}{2}$ in. to 2 in.

TEN/TEST Ashlar Block. (Acoustical "A"). For interior decoration and acoustical correction. Absorbs 35 per cent of incident sound at a frequency of 512. Manufactured in small panels 6 in x 6 in. to 12 in. x 24 in. with bevelled edges.

ACOUSTI/TEST AA. Sound absorbent for acoustical correction. Can be supplied in an unlimited variety of designs and sizes to harmonize with any decorative treatment, allowing the architect much freedom in design and finish of churches, auditoriums, theatres, etc. Coefficients of absorption from 56 per cent at 512 determined by Bureau of Standards, Washington.

TEN/TEST Panel Strip. Provides pleasing trim and finish for joints, corners and openings. Manufactured in widths of from 2 in. to 6 in. and lengths up to 12 ft.

PYRO/TEST. Non-inflammable, fire-resistant, insulating building board with same physical characteristics as TEN/TEST.

HYDRO/TEST. Water proof, insulating building board, designed particularly for low temperature requirements.

Stewart



Corporation

Manufacturers of Dependable Building Insulation

St. Joseph, Missouri

PRODUCTS

InsoBoard and InsoLath, structural insulating board made of wheat straw fiber, for home, factory, hotel, apartment, office buildings, farm buildings, refrigerators and refrigerator cars, cold storage plants, etc. InsoLath is ideal for plaster base.

Made from the long, tough, sterilized fibers of wheat straw, interlaced into flawless, sturdy panels $\frac{3}{16}$ of an inch thick, 48 in. wide and 6 to 12 ft. long, INSOBOARD is



used as sheathing or wall board. It adds structural strength as well as insulation and does not increase building costs, because it replaces boxing, lath or other materials. The labor cost of installing INSOBOARD is less because it is easier and more quickly applied than other materials.

Its chief use is for the reduction of fuel bills in winter and for the minimizing of summer heat in the home. Fuel costs are reduced with INSOBOARD insulation. INSOBOARD also is effective as sound-proofing material and it retards fire as well.

It insures warm floors and keeps a house free from dampness and draughts. INSO-

BOARD is used, not only in new construction, but for the remodeling of old homes, to prevent heat losses through the roof. Time and the elements have no effect on it, submersion tests having shown the tendency to warp and buckle to be negligible.

InsoLath is made of the same material as INSOBOARD. It is free-expanding and non-warping and takes the place of ordinary wood lath as a plaster base. It is fabricated into convenient sizes, 18 in. by 48 in. In INSOBOARD can be found (1) shiplapped, beveled edges and ends, which provide permanent expansion space all the way around, and so arranged that this space cannot be filled with plaster and (2) nailing slots which permit free expansion of lath without binding and resultant bulges and warping. The usual insulation features are present in INSOBOARD as in INSOBOARD. It has great strength, increased plaster bond and is a perfected many-purpose material which successfully combines all the desirable features of a perfect insulating plaster base.

The "flat-plate" test was used in tests of INSOBOARD by G. F. Gebhardt, Mechanical Engineer of the Armour Institute of Technology at Chicago an internationally known and recognized authority on insulation values. The flat plate conductivity of INSOBOARD is 0.33 Btu per hour per square foot per degree Fahrenheit per one inch thickness, based on a density of 17 lb per cubic foot and a mean temperature of 68 F.

The result of these tests by this disinterested authority proves that INSOBOARD possesses a high degree of insulating efficiency and should be specified on jobs calling for maximum structural insulation.