Building Materials

The products listed in this section have been evaluated according to recognized test standards. Products are also listed under a category entitled "Identified Components." These are not complete end-products, but are critical components of an FM Approved or specification-tested finished material or device.

All listed products have been subjected to examinations and follow-up inspections by FM Approvals. These products are not FM Approved, except where separately listed for a specific end use application in the Approval Guide or RoofNav. Periodic audit inspections of the manufacturing facilities and quality control procedures are performed on all listed products. In addition, the products may be re-examined to reconfirm the previous test results and to assess any changes in manufacturing procedures or composition of the product.

The manufacturer of the listed product or material is authorized to apply an identification marking to the product or container which includes the FM Approvals name and the FM Approvals test report identification.

FM Approvals does not imply or express any warranty of any kind with respect to the products, nor assume any responsibility for defects, failure in service or patent infringements.

FM Approvals makes no judgement of product suitability for its intended end use solely as a result of these tests.

ASTM E 84 STANDARD

The ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials yields flame spread and smoke density values for the tested material during a 10 minute fire exposure.

The purpose of the test is to determine the surface burning characteristics of the tested building material by comparing the test results with that of red oak flooring under identical conditions. The Flame Spread and Smoke Density values of the tested material may be compared with that of cement board and red oak flooring which have been arbitrarily established as 0 and 100, respectively.

ENRGY 3 Polyisocyanurate Foam Insulation Sheathing and Roof Insulation Board

ENRGY 3 Polyisocyanurate Foam Insulation Sheathing and Roof Insulation Board. Tested with facing removed. 1.63 lb/ft^3 (26.1 kg/m^3) density. The following products utilize the same foam core as the ENRGY 3 product which was tested (Fesco Foam, ENRGY 3 Plus, ValuTherm, Iso-Vent, Nailboard PSI 25, JM ISO 3, AP Foil Face Sheathing and extRa Sheathing). As a result, they would have the same results when tested with their facers removed. FM Approvals Specification Listing Report 3029628.

TEST RESULTS		
	4 in. (102 mm) Thickness	*1 in. (25 mm) Thickness*
Flame Spread:	20	30
Smoke Density:	55	250

Company Name:	Johns Manville Corp Roofing Systems Group
Company Address:	Box 5108, Denver, Colorado 80217, USA
Company Website:	http://www.jm.com
Listing Country:	United States of America
Certification Type:	Specification Tested (Not FM Approved)