



MINISTRY OF THE ENVIRONMENT
DECISION ON TYPE APPROVAL

Ref.no.: YM236/6221/2005 1 (2)

Granted: 24 February 2006

Valid: 31 December 2010

The Finnish Ministry of the Environment has, under section 148 of the Land Use and Building Act (231/2003) and subject to the regulations of article 4 of the Law on the Approval of Construction Products (230/2003), granted the following type approval.

PRODUCT	Fire Damper FDE
APPLICANT	Halton Oy, Iitti, Finland
SCOPE OF THE APPROVAL	<p>This approval confirms that the product complies with the requirements and instructions set forth in parts E1, E7 and D2 of the National Building Code of Finland as follows:</p> <ul style="list-style-type: none">- fire resistance class EIS 15 in non-insulated air ducts- fire resistance class EIS 30...EIS 120 in fire-insulated air ducts- air tightness class C.
CONDITIONS OF APPROVAL	<p>The fire damper can be installed on a fire-compartment wall or ceiling. Installation in circular ducts with a diameter of 100...500 mm.</p> <p>The closing temperature of the fire damper is generally 70 °C ± 5 °C. In special cases, a lower or higher closing temperature may be selected in accordance with section 4.2 of part E7 of the National Building Code of Finland</p> <p>The fire insulation of class EIS 30...EIS 120 of the fire dampers will be implemented in accordance with table 1 of part E7.</p> <p>The products are installed according to the installation instructions attached hereto. The installation certificate supplied with the installation instructions is attached to the inspection documents of a building site.</p>
QUALITY CONTROL	Quality control is carried out according to the quality control agreement 2070/21/03/RTE between the applicant and VTT Building and Transport, signed and dated 1 December 2003.
MARKING	<p>The fixed type approval plate shall contain the following information:</p> <ul style="list-style-type: none">- Manufacturer's name and domicile- Type approval number YM236/2005- Product name and size- Fire resistance class EIS 15 in non-insulated air ducts- Fire resistance class EIS 30...EIS 120 in fire-insulated air ducts- Date of manufacture or serial number- Air tightness class C <p>-The type approval sign indicated in the appendix of this approval.</p>

MINISTRY OF THE ENVIRONMENT
HOUSING AND BUILDING DEPARTMENT

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ES
VALIDITY
THE GROUNDS FOR
APPROVAL

The installation instructions are delivered to the site with the products.
The decision shall enter into force on 24 February 2006 and will remain in force indefinitely but not beyond 31 December 2010.

VTT's Test Report No. RTE 3948/05 (30 January 2006)
VTT's Statement VTT-S-00901-06 (30 January 2006)

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APPENDICES

Installation instructions
Type approval sign
Instructions for claim of correction
Instructions for appeal

FOR INFORMATION

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I hereby certify that this is a true translation of the Finnish document shown to me.


Vesa Vahvanen
Certified translator



Helsinki, 11th March 2006