

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

Natural smoke and heat exhaust ventilator MARTOP

placed on the market by

MarTop OÜ

Address: Toome 3A, Tamsalu, Tamsalu vald, 46107 Lääne-Virumaa, ESTONIA

and produced in the factory

Antes Sales OÜ

Address: Rehemäe tee 14, Kärkla, 92421 Hiiumaa, ESTONIA

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body Inspecta Estonia OÜ has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.


This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard

EN 12101-2:2003

were applied and that the product fulfils all the prescribed requirements.
See annex 1 of this certificate for special application notes.

This certificate was first issued on 04.04.2013 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly. The validity of the certificate can be checked on the Internet at www.inspecta.ee.

Tallinn 04.04.2013


Urmas Vain
Executive director



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Product: Natural smoke and heat exhaust ventilator MARTOP.

Characteristics:

Natural smoke and heat exhaust ventilator can be accommodated on flat roof (slope relative to horizontal plane can vary from 0° to 30°);
 Minimum height of NSHEV upstand + fixed frame is 900 mm;
 Minimum angle of flap opening to fire open position is 140°;
 Opening mechanism, MARTOP OÜ + actuator Multilab B23 (24 V DC), DewertOkin GmbH + gas spring Long LIFE KS.

Essential characteristics	Paragraph	Classification
Reliability	7.1	Re 50 (+10 000) type B
Opening under load	7.2	SL 750
Low ambient temperature	7.3	SL 250 T(-25) SL 500 T(-15)
Wind load	7.4	WL 1500
Resistance to heat	7.5	B 600
Reaction to fire of the materials	7.5.2.1	Metal sheet - class A1, OSB plate - class D-s2, d0, sealing of flap - class F
Aerodynamic free area		
Dimensions of geometric area [mm]	Discharge coefficient C _v [-]	Aerodynamic free area A _a [m ²]
1000 x 1000	0,77	0,77
1000 x 1600	0,77	1,23
1000 x 2000	0,70	1,40
1200 x 1200	0,77	1,11
1200 x 1800	0,77	1,66
1200 x 2400	0,70	2,02
1200 x 2570	0,67	2,07
1000 x 2000 with wind deflectors	0,77	1,54
1200 x 2400 with wind deflectors	0,77	2,22
1200 x 2570 with wind deflectors	0,77	2,37

Testing was performed by FIRES, s.r.o., Notified Body No 1396.



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