



Warsaw 29.12.2006

NP-1235/P/06/BW

**FAKRO Spółka z o.o.**  
**ul. Węgierska 144 a**  
**33-300 Nowy Sącz**

## Fire resistance classification of hatch door with loft ladder LWF

### 1. Formal grounds

- 1.1. Order of FAKRO Spółka z o.o. from 24.10.2006 r.
- 1.2. Agreement No. NP-1235/P/06/BW.

### 2. Essential basis

- 2.1. EN 1634-1: 2000 Fire resistance tests for door and shutter assemblies – Part 1: Fire doors and shutters
- 2.2. EN 1363-1:1999 Fire resistance tests – Part 1: General requirements
- 2.3. PN-B-02851-1:1997 Ochrona przeciwpożarowa budynków. Badania odporności ogniowej elementów budynków. Wymagania ogólne i klasyfikacja. (**Fire protection of buildings. Fire resistance tests of building elements. General requirements and classification**).
- 2.4. PN-EN 13501-2:2005: Klasyfikacja ogniowa wyrobów budowlanych i elementów budynków. Część 2: Klasyfikacja na podstawie badań odporności wyłączając instalację użytkową. (**Fire classification of construction products and building elements – Part 2: Classification using data from fire resistance tests, excluding ventilation services**).
- 2.5. Test report FR-088-06-AUNE of fire resistant shutter with retractable stairs. Fire Testing Laboratory Fires s.r.o. Batizovce 2006.
- 2.6. Technical documentation delivered by FAKRO Spółka z o.o.

### 3. Technical description

The hatch door with loft ladder LWF is manufactured by Polish company Stolart Spółka z o.o. 34-642 Dobra 506; it occurs in trade offer of FAKRO Spółka z o.o. with name: „Fire resistant loft ladder LWF”.

Technical description and construction details of hatch door with loft ladder LWF are given in appendix (all pages stamped by seal of Fire Research Department Building Research Institute). Data concerning mineral wool filling of hatch door, linings of hatch door and



intumescent gasket on the perimeter of hatch door are consistent with data given in test report No. FR-088-06-AUNE [2.5].

Dimensions of hatch door with loft ladder LWF are given in table No. 1 in Appendix (page 3). The frames of hatch door with loft ladder LWF shall be installed in floors according to producer instruction, given in Appendix. Hatch door with loft ladder LWF can be installed in floors of minimum REI 30 fire resistance class.

#### 4. Fire resistance tests

In Fire Testing Laboratory Fires s.r.o. in Batizovce (Slovakia) fire resistance test of hatch door with loft ladder LWF was carried out according to EN 1634-1: 2000 [2.1] – test report No. FR-088-06-AUNE [2.5].

#### 5. Fire resistance classification

5.1. Fire resistance class of hatch door with loft ladder LWF manufactured according to technical description given in clause 3 with fire exposure from below according to PN-B-02851-1:1997 [2.3] - **EI 30**.

5.2. Fire resistance class of hatch door with loft ladder LWF manufactured according to technical description given in clause 3 with fire exposure from below according to PN-EN 13501-2 :2005 [2.4] - **EI<sub>2</sub> 30**.

#### 6. Validity date of the classification

The classification remains valid until 31<sup>st</sup> January 2010 provided that neither material nor constructional changes are made to the hatch door with loft ladder LWF.

**In case of doubt Polish version is the only basis for interpretation.**

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Appendix:

- technical documentation of hatch door  
with loft ladder LWF (30 pages)