

# ITB INSTITUTE OF CONSTRUCTION ENGINEERING

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## Department Of The Fire Tests

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NP-755/P/05/BW

Warszawa 30.06.2006

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

## Fire resistance classification of the hatch door and folding ladder assemblies

### 1. Formal basis

1.1. Fakro Spółka z o.o. - order dated 15.03.2005

1.2. Contract NP-755/P/05/BW.

### 2. Substantial 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 Fire protection of the buildings. Fire resistance tests of the building construction elements. General requirements and classification.

2.4. PN-EN 13501-2:2004(U): Fire classification of the building products and elements of the buildings. Part 2: Classification based on the resistance tests. Utilities installations – excluded.

2.5. Report Pr-041.02.074 of the fire resistance tests of the hatch doors JAP 400 with hanging, folding ladder Lusso. PAVUS Laboratory of the Fire tests Veseli at the Luznici 2004.

2.6. Technical documentation delivered by Fakro Spółka z o.o.

### 3. Technical description

Hatch door JAP 400 with hanging, folding ladder Lusso fabricated by Czech company J.A.P. spol. s.r.o. Prerov III-Lovesice 67, 750 02 Prerov, are included into Fakro Spółka z o.o. commercial

offer under the name of " A fire -resistant scissors loft ladder LSF".

The description of technical and construction details of the hatch doors are presented in enclosure ( all stamped with the seal of Department Of The Fire Tests of the **INSTITUTE OF CONSTRUCTION ENGINEERING**)

Hatch door dimensions are given in list no. 1 in enclosure (page 15). The frames of the hatches should be installed in ceilings in accordance with the producer's instructions, in enclosure. Hatch door should be installed in ceilings with the resistance class, the minimum REI 30.

#### **4. Fire resistance tests**

In the PAVUS Laboratory of the Fire tests Veseli at the Luznici 2004 (Czech Republic) there has been carried out fire resistance tests of the hatch doors JAP 400 according to the norm EN 1634-1: 2000 [2.1] -test report [2.5].

#### **5. Classification of the fire resistance**

**5.1.** Fire resistance category of the hatch doors with hanging, folding ladder fabricated according to technical description in point 3 and with fire treatment from underneath in accordance with the norm PN-B-02851-1:1997 [2.3]-**EL 30**

**5.2.** Fire resistance category of the hatch doors with hanging, folding ladder fabricated according to technical description in point 3 and with fire treatment from underneath according to the norm PN-EN-13501-2 (U) [2.4]-**EL<sub>2</sub> 30**

#### **6. Validity period of the classification**

The above mentioned classification is valid until June 30, 2008, provided that no construction or material changes of the hatch doors are introduced.

#### **The classification was elaborated by:**

inż. Bogdan Wróblewski

Assistant manager

signature

Department Of The Fire Tests

dr Andrzej Borowy

signature

#### **Enclosures:**

-technical documentation of the hatch doors  
with hanging, folding ladder (17 pages)