



Czech

# PROTOCOL

## ON THE ASSESSMENT OF PERFORMANCE OF THE PRODUCT

**Registration No. 1017 – CPR – 06.947.581**

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC, and in compliance with Commission Delegated Regulation (EU) No 568/2014, this protocol is issued for the construction product:

**Sliding steel gate (gate in fence)**  
**THOR; ODEN; MAGNI**

**HALSANG Sp. z o.o.**  
Targowisko 551, PL-32-015 Kłaj, Poland  
Business ID No: 121541268

**Place of production:**  
**Stanisławice 255; Targowisko 551, Poland**

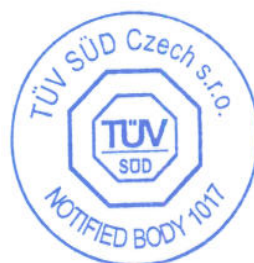
TÜV SÜD Czech s.r.o. performed the initial testing of the respective product characteristics described in Annex ZA of the standard

**EN 13241-1:2003+A1:2011**

The number of pages of this Protocol inclusive the title-page: 2

| Basic performance            | Value of performance | Harmonised technical specification                    |
|------------------------------|----------------------|---|
| Resistance to wind load      | Class 4              | EN 13241-1:2003/A1:2012, article 4.4.3                |
| Safety of openings           | Pass                 | EN 13241-1:2003/A1:2012, article 4.2.8                |
| Operating forces             | Pass                 | EN 13241-1:2003/A1:2012, article 4.2.2, article 4.3.3 |
| Leak of dangerous substances | NPD                  | EN 13241-1:2003/A1:2012, article 4.2.9                |

Prague, date 03.07.2014



  
on behalf of Notified Body 1017  
Jana Bačinová  
Head of Certification Department

### 1. Equipment specification

|                                |   |
|--------------------------------|---|
| Purpose of use:                | <b>Gates intended for installation in a fence of objects allowing the movement of vehicles and people in industrial, commercial or residential premises. They can be controlled manually or electrically.</b> |
| Limitations of use:            | <b>It is limited by the parameters of the gates.</b>  |
| Identification of the product: | <b>Label pursuant to EN 13241-1:2003+A1:2011</b>  |
| Technical specifications:      | <b>Single- or double-wing gates;<br/>Overall width of gate wings from 4000 to 38000 mm;<br/>Height of gate wings from 1000 to 4500 mm;<br/>Weight of gate wings from 140 to 1800 kg</b>                       |
| Components:                    | <b>Motor drives of gates: ELKA, BENINCA;<br/>Safety ledges: BIRCHER, ELKA, BENINCA</b>  |

### 2. Source documents submitted by the manufacturer

- Assembly drawing of gates
- Wind load calculations
- Declarations of conformity from component manufacturers
- Instructions for use



### 3. Sampling the product

| Requirements            | Sample   |
|-------------------------|--|
| Resistance to wind load | Halsang Thor/Oden 1000x200+30 cm<br>Halsang Magni 1400x200+30 cm |
| Safety of openings      | Halsang Thor/Oden/Magni 10000x2000 mm                            |
| Operating forces        | Halsang Thor/Oden/Magni 10000x2000 mm                            |

Date of sampling: 13.02.2014  
Place of sampling: Targowisko 551, Poland  
Sampling made by: Libor Grygerek

### 4. Assessment of performance on the basis of tests, calculations, tabulated values, documentation

#### 4.1. Assessment of performance on the basis of tests

| Performance                 | Document                                       | Evaluation  |
|-----------------------------|--|---|
| Forces for manual operating | ZZ 0336-2-718 – THOR<br>Protocol No 06.948.324 | Operating force < 260 N, complies.  |
| Forces for motor operating  | ZZ 0336-2-718 – THOR<br>Protocol No 06.948.324 | Operating force < 400 N, time of operation of force 150 N < 0.75 s, complies.   |
| Safety of openings          | ZZ 0336-2-718 – THOR<br>Protocol No 06.948.324 | The travel of the gate wings did not cause a failure of load-bearing elements nor a deformation of the wings. Complies. |

#### 4.2. Assessment of performance on the basis of calculations

Resistance to wind loading >1000 Pa, complies with class 4 pursuant to EN 12424:2000

### 5. Annexes

*No annexes*