



**TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.**

**Technical and Test Institute for Construction Prague**

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Authorized Body 204 empowered by the Decision of the COSMT No. 11/2013

Branch 0600 – Brno

## REPORT

on the product certification result

according to the § 5a of the Government Decree No. 163/2002 Coll. as amended by the Government Decree No. 312/2005 Coll. and by Government Decree No. 215/2016 Coll.

**No. 060-044176**

for the product:

**ACO Access Cover UNIFACE**

type / version:

UNIFACE SS, UNIFACE GS, UNIFACE AL

manufacturer:

**ACO Industries k.s.**

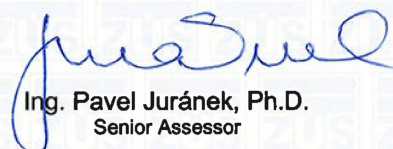
INo: 48119458  
address: Havlíčkova 260, 582 22 Příbyslav, Czech Republic  
plant: ACO Industries k.s.  
address: Havlíčkova 260, 582 22 Příbyslav, Czech Republic  
order: Z060130257

Number of pages of the Report, including the title page: 5

Number of Annexes pages: 53

Person responsible for contents of this Report:



  
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Senior Assessor

Brno, 21. November 2016

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Bank: KB Praha 1 Czech Republic, account number: 1501-931/0100, INo: 000 15679, VAT: CZ00015679



## 1. General

### 1.1. Information about the manufacturer

- ACO Industries k.s., Havlíčkova 260, 582 22 Příbyslav, Czech Republic

### 1.2. Information about the product and its intended use

**ACO Access Covers UNIFACE SS** are made of stainless steel grade 1.4301, **ACO Access Covers UNIFACE GS** are made of non-alloy zinc coated steel grade 11 373 suitable for welding. **ACO Access Covers UNIFACE AL** are made of aluminum alloy EN AW-6063. Covers are filled with concrete and intended for a thin floor surfaces. Access covers (clear openings) are manufactured in square shape from 200 x 200 mm up to 1000 x 1000 (1200x600) mm. ACO Access Covers GS and SS are designed for load classes L 15, M 125 and N 250. ACO Access covers ACO UNIFACE AL are designed for load classes L 15, R 50 and M 125.

Described covers are determined to cover manholes, sumps and inlet drains inside buildings.

- Class L 15: Areas with light vehicular traffic, such as in commercially used premises and public areas.
- Class R 50: Areas with vehicular traffic, such as in commercially used premises and factories.
- Class M 125: Areas with vehicular traffic, such as car parks, factories and workshops.
- Class N 250: Heavy duty industrial areas subject to fork lift traffic.

### 1.3. List of documentation submitted by the applicant to the product certification

- Application form of Authorized Body 204 of the date 20.11.2013
- Contract no. Z 060130257
- List of products ACO Access Covers UNIFACE
- Technical data sheets - documentation

### 1.4. List of other documentation used during of the product certification

- Law No. 22/1997 Coll., on technical requirements for products and other amendments
- Government Decree No. 163/2002 Coll. as amended by Government Decree No. 312/2005 Coll. and by Government Decree No. 215/2016 Coll. on technical requirements for construction products
- Decree No. 307/2002 Coll. on requirements for radiation protection, in latest version
- ČSN 73 0212-5 Geometrical accuracy in building industry. Accuracy control. Accuracy control of building components
- ČSN EN 1253-1 Gullies for buildings - Part 1: Trapped floor gullies with a depth water seal of at least 50 mm
- ČSN EN 1253-2 Gullies for buildings - Part 2: Trapped floor gullies with a depth water seal of at least 50 mm
- ČSN EN 1253-1 Gullies for buildings - Part 3: Evaluation of conformity
- ČSN EN 1253-2 Gullies for buildings - Part 4: Access covers
- ČSN EN 124 Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type, testing, marking, quality control
- ČSN EN ISO 1461 Hot dip galvanized coatings on fabricated iron and steel articles - Specification and test methods
- ČSN EN ISO 2808 Paints and varnishes - Determination of film thickness

### 1.5. Technical specification and technical regulations relating to the product certification

- Technical Approval No. 060-044176, of the date 15. November 2016, issued by TZÚS Praha, s.p., branch Brno

### 1.6. Information about previous product certification

This product was certified in December 2013 – product certificate no. 204/C5a/2013/060-038546. New certification procedure is carried out due to change of Government Decree No. 163/2002 Coll. as amended by Government Decree No. 312/2005 Coll. and by Government Decree No. 215/2016 Coll.



## 2. Result of the review of the documentation submitted by the applicant

Documentation provided by the applicant is in compliance with requirements of § 5 article 2 clause a) of Government Decree No. 163/2002 Coll. as amended by Government Decree No. 312/2005 Coll. and by Government Decree No. 215/2016 Coll. Documentation is in compliance with Government Decree.

## 3. Product assessment

### 3.1. Technical requirements

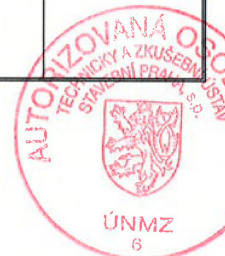
The following characteristics are assessed according to the Technical Approval No. 060-044175 of the date 11. November 2016 issued by TZÚS Praha, s.p., branch Brno

### 3.2. List of the Test Reports

- Test report No. 060-038543 (TZÚS Praha, s.p., branch Brno, ZL 1018.2)
- Test report No. 060-035148 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- Test report No. 060-035149 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- Test report No. 060-035150 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- Test report No. 060-035151 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- Test report No. 060-035152 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- Test report No. 060-035153 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- Test report No. 060-035154 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- Test report No. 060-035155 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- Test report No. 060-035156 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)

### 3.3. Evaluation of the results of the product tests and assessment

No.	Characteristic	Required (R) / declared (D) value	Test result	Evaluation
1	Material	D: stainless steel 1.4301 steel grade 11 373 aluminium alloy EN AW-6063	according to declaration	Conformity
2	Load-bearing capacity	ACO UNIFACE GS/SS D: load class L 15, M 125, N 250	accomplished L 15, M 125, N 250, no failure	Conformity
		ACO UNIFACE AL D: load class L 15, R 50, M 125	accomplished L 15, R 50, M 125, no failure	Conformity
3	Finish	R: surface without sharp edges, in accordance with the ČSN EN 1253-4, cl. 6.2	surface without sharp edges	Conformity
4	Clear opening	D: documentation $\pm 2$ mm	according to declaration	Conformity
5	Edge protection for access covers of reinforced concrete	R: edges and seating shell be protected, in accordance with the ČSN EN 1253-4, cl. 6.4 D: steel or alloy thickness for class load L 15 min. 2 mm steel or alloy thickness for class load. M 125 min. 3 mm	according to declaration	Conformity





No.	Characteristic	Required (R) / declared (D) value	Test result	Evaluation
6	Tightness – watertightness	R: water flooding 10±1 mm for time period 15±1 min – no leak of water to the bottom side of cover	no leak	Conformity
7	Tightness – gastightness	R: cover is loaded by hydrostatic pressure ≥ 500 Pa - no leak of water during time period 15±1 min	no leak	Conformity
8	Marking	R: standard, load class, producer, production date	according to requirements	Conformity

#### 4. Factory Production Control assessment

##### 4.1. Requirement of the technical specification, technical regulations regarding Factory Production Control

The requirements for FPC are introduced in Annex No. 3 of Government Decree No. 163/2002 Coll. as amended by Government Decree No. 312/2005 Coll. and by Government Decree No. 215/2016 Coll.

##### 4.2. Evaluation of the Factory Production Control Assessment Results

The regulatory characteristics of tested products meet requirements which are assessed according to the Technical Approval No. 060-044175 from the date 15. November 2016 issued by TZÚS Praha, s.p., branch Brno.

The manner of production together with high tech equipment ensures conformity with technical specification and requirements.

The FPC corresponds to the technical documentation and allows achieving and maintaining required product characteristics.

#### 5. Conclusion

The regulatory characteristics of the tested products meet requirements of the technical specifications and the technical regulations.

The way of product control by the applicant is in compliance with technical documentation and its regular functioning is ensured.

**The product ACO Access Cover UNIFACE, mentioned in chapter 1.2., meets requirements of § 5 of the Government Decree No. 163/2002 Coll. as amended by Government Decree No. 312/2005 Coll. and by Government Decree No. 215/2016 Coll.**

Findings and conclusions mentioned in this Report are valid providing the circumstances of conformity assessment which can influence product characteristics remain unchanged (i.e. a change of technical regulations, technical specification, production technology, incoming raw material and production equipment).

Technical documentation has to be completed, according to the § 5a of the Government Decree No. 163/2002 Coll. as amended by the Government Decree No. 312/2005 Coll. and by Government Decree No. 215/2016 Coll, with Surveillance Report every 12 months.





## 6. Annexes

- 6.1. Test report No. 060-038543 (TZÚS Praha, s.p., branch Brno, ZL 1018.2)
- 6.2. Test report No. 060-035148 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- 6.3. Test report No. 060-035149 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- 6.4. Test report No. 060-035150 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- 6.5. Test report No. 060-035151 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- 6.6. Test report No. 060-035152 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- 6.7. Test report No. 060-035153 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- 6.8. Test report No. 060-035154 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- 6.9. Test report No. 060-035155 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- 6.10. Test report No. 060-035156 (TZÚS Praha, s.p., branch Brno, AZL 1018.2)
- 6.11. List of products ACO Access Covers UNIFACE

