



INSTITUTE FOR TESTING AND CERTIFICATION

trida Tomase Bati 299, Louky, 763 02 Zlin, Czech Republic

Division CSI - Centre of Civil Engineering



FINAL REPORT

No. 313501082 / 2021

Product: **Water Closets (Class 1, Class 2)**

Types: **Types are given in the Annex to Certificate**

Applicant: **HSIL Limited**
Unit No. 301-302, 3rd Floor, Park Centra, Sector-30, NH-8,
Gurgaon, 122001, Haryana, India

Manufacturer: **HSIL Limited**
Unit No. 301-302, 3rd Floor, Park Centra, Sector-30, NH-8,
Gurgaon, 122001, Haryana, India

Assessed by: **Josef Vaněk**

Date of issue: **14. 06. 2021**




Ing. Vlastimil Kučera, Ph.D.
Director of Division CSI

Introduction

The purpose of this Assessment of Conformity (hereafter “AoC”) is to demonstrate the product conformity with the requirements of relevant technical specifications and to facilitate the access of the certified products to the EU market.

The applicant has asked for an independent product certification by a ‘third party’ – Institute for Testing and Certification (hereafter “ITC”). This Final Report has been compiled as a result of application No. 313501082 lodged to the ITC on 03.03.2021.

The applicant is the:

- ☒ Manufacturer
☐ Authorized representative of the manufacturer
☐ Importer of the assessed product

This is a voluntary certification of the conformity of the product (description given in Chapter 1) with the requirements of technical specifications in Clause 2.1. This assessment does not mean or replace the conformity assessment (certification) according to Czech Act No 22/1997 on technical requirements for products.

Declaration of ITC employees involved in the conformity assessment:

The employees undertake to maintain the confidentiality of all information obtained during the process of the assessment. They declare that they have not been involved in any consulting and/or training activities related to the manufacturer's / applicant's management system during the last two years, have not carried out internal audits of the manufacturer / applicant, and have no significant links with them (ie: financial, business, kinship, ownership, or similar relationships).

1. Product identification

Product name: **Water Closets (Class 1, Class 2)**

Product description: Close-coupled suites, one-piece WC pans and independent WC pans with integral trap used for personal hygiene manufactured from glazed ceramics.

Products may be classified in Class 1 or Class 2 according to Chapter 4 of the standard EN 997:2012.

Types: Types are given in the Annex to Certificate

Manufacturing sites: - Delhi Rohtak Road, Distt. Jhajjar, Bahadurgarh, 124507, Haryana
- Somanyapuram, Brahmanapally Village, Bibinagar, Distt. Nalgonda, Telangana, 508126

2. Product conformity to technical specifications

2.1. Applicable technical specifications

The assessment of conformity has been carried out according to the following technical specifications (ie: EU regulations, national regulations, technical standards, etc):

Table No. 1 – Technical specifications applied for the AoC

#	Specification indication	Specification name
1.	EN 997:2012, <i>within the scope of Table ZA.1.1, Table ZA.1.2</i>	WC pans and WC suites with integral trap, Annex ZA

Table No. 2 – Technical specifications applied for testing – Class 1 products

#	Specification indication	Assessed characteristic(s)
1.	EN 997:2012, Table ZA.1.1	Flushing requirements - 5.2.1 <i>Flushing requirements (Table 1)</i> - 5.2.4 <i>Flushing of 50 plastic balls</i>
2.	EN 997:2012, Table ZA.1.1	Backflow prevention - 5.1 <i>Depth of water seal</i>
3.	EN 997:2012, Table ZA.1.1	Cleanability - 5.2.2 <i>Wash of bowl</i> - 5.2.3 <i>Flushing of toilet paper</i> - 5.2.4 <i>Flushing of fifty small plastic balls</i> - 5.2.5 <i>Oversplashing</i> - 5.2.6 <i>After-flush volume</i> - 5.3 <i>Water absorption</i>
4.	EN 997:2012, Table ZA.1.1	Load resistance - 5.4 <i>Static load</i>
5.	EN 997:2012, Table ZA.1.1	Water/leak tightness - 5.5.5 <i>Leak-tightness between flushing cistern and bowl</i>
6.	EN 997:2012, Table ZA.1.1	Valve reliability - 5.5.6 <i>Outlet valve leak-tightness</i> - 5.5.7 <i>Outlet valve reliability</i>
7.	EN 997:2012, Table ZA.1.1	Durability - 5.6 <i>Durability</i>

Table No. 3 – Technical specifications applied for testing – Class 2 products

#	Specification indication	Assessed characteristic(s)
1.	EN 997:2012, Table ZA.1.2	Flushing requirements - 6.3 <i>Marking of flushing cistern</i> - 6.4 <i>Warning pipe and overflow provision</i> - 6.5 <i>Flush volume</i> - 6.8 <i>Chemical endurance of flushing device</i>
2.	EN 997:2012, Table ZA.1.2	Backflow prevention - 6.2 <i>Backflow prevention</i> - 6.13 <i>Depth of water seal</i>
3.	EN 997:2012, Table ZA.1.2	Cleanability - 6.9 <i>Solids discharge and after-flush volume for maximum flush</i> - 6.10 <i>Paper discharge for reduced-flush volume</i> - 6.11 <i>Liquid contaminant dye retention</i> - 6.12 <i>Wash of bowl</i>

#	Specification indication	Assessed characteristic(s)
4.	EN 997:2012, Table ZA.1.2	Load resistance - 6.14 Static load of class 2
5.	EN 997:2012, Table ZA.1.2	Water/leak tightness - 6.7 Physical endurance and leakage of flushing device - 6.8 Chemical endurance of flushing device
6.	EN 997:2012, Table ZA.1.2	Valve reliability - 6.7 Physical endurance and leakage of flushing device
7.	EN 997:2012, Table ZA.1.2	Durability - 6.16 Durability

2.2. Chosen AoC scheme

The certified products are subject to an AoC carried out by the manufacturer under his sole responsibility.

This AoC has been, nevertheless, carried out by an independent 'third party'. ITC has applied the certification scheme CZ-ITC 1a (according to Scheme 1a of EN ISO/IEC 17067:2013). This scheme is based on testing.

The certificate of conformity is issued for the type of product (ie: for the sample tested) and the necessary characteristics are detailed in the Certificate of Conformity or document to which the certificate refers. This Certificate of Conformity does not cover any subsequently produced items.

The manufacturer himself is fully responsible for the conformity of all downstream production of the certified product(s) with the requirements mentioned in the Certificate.

2.3. Sampling

- ☐ No special samples taken – the samples taken for Order No have been used
- ☐ No special samples taken – ITC has carried out the assessment in the location of product use
- ☒ The samples have been taken by the applicant; model No. 92502 EWC WM Enigma Slim, and model No. 92077/92128 EWC Gracia with cistern
- ☐ The samples have been taken by ITC from the manufacturing plant
- ☐ The samples have been taken by ITC from the market

2.4. Testing – place and date

Testing according to the requirements of technical specifications has been carried out in the following laboratories:

- HSIL Limited testing laboratory in Bahadurgarh (in the period 01-03/2021)

2.5. Test results

The test results are given in the following test reports:

- Initial type test report issued on 02.04.2021, for model No. 92502 EWC WM Enigma Slim, tested by: Jitender Shekhawat, approved by: Kedarnath Jha
- Initial type test report issued on 02.04.2021, for model No. 92077/92128 EWC Gracia with cistern, tested by: Jitender Shekhawat, approved by: Kedarnath Jha

2.6. Assessment of the product conformity

The results presented in the test reports, as listed in Clause 2.5 of this Report, prove that the properties of the assessed product (given in Clause 1.) meet the requirements of the technical specifications listed in Clause 2.1 to the extent specified in Clause 4.



2.7. Instructions for use and marking

The language versions of the instructions for use, markings and warnings must comply with the national requirements of the countries of destination, to whose markets the product will be delivered.

3. Supervision of the production process

Not applied – Certification Scheme CZ-ITC 1a does not include any supervision of the production process.

4. Conclusions

The assessment was carried out on the basis of the documentation submitted by the applicant, the test results, the technical file of the product and according to the requirements of the technical specifications mentioned in Clause 2.1. of this Final Report.

The applicant is fully responsible for ensuring the conformity of production to the certified type.

The manufacturer is obliged to implement all necessary measures in the production process to guarantee the conformity of all products with the requirements of the technical specifications listed in Clause 2.1.

Consequently to the AoC, the team of assessors states that:

- ☒ **The conformity with the requirements of the technical specifications listed in Clause 2.1 has been met in the full range of requirements, and recommends issuing of the Certificate of Conformity.**
- ☐ The conformity with the requirements of the technical specifications listed in Clause 2.1 has been met in a limited extent (excluding:), and recommends issuing of the Certificate of Conformity within the scope of the assessment performed.
- ☐ The conformity with the requirements of the technical specifications listed in Clause 2.1 has not been met in the full range of requirements, and therefore does not recommend issuing of the Certificate of Conformity.

5. List of documents used during the AoC

- a) Application for product certification No. 313501082, dated 02.03.2021
- b) Conformity Assessment Contract No. 313501082
- c) EN 997:2012 WC pans and WC suites with integral trap
- d) Test Reports listed in Clause 2.5. of this Final report
- e) Technical documentation of the manufacturer HSIL Limited

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Division CSI – Centre of Civil Engineering



CERTIFICATE

No. 21 0251 T/ITC

confirms that the product:

Water Closets (Class 1, Class 2)

Types are given in the Annex to Certificate

manufactured by the company:

HSIL Limited

**Unit No. 301-302, 3rd Floor, Park Centra, Sector-30, NH-8,
Gurgaon, 122001, Haryana, India**

from manufacturing sites:

- Delhi Rohtak Road, Distt. Jhajjar, Bahadurgarh, 124507, Haryana
- Somanyapuram, Brahmanapally Village, Bibinagar, Distt. Nalgonda, Telangana, 508126

meets requirements of the following technical specifications:

EN 997:2012 WC pans and WC suites with integral trap, Table ZA.1.1, Table ZA.1.2

Institute for testing and certification, a.s. has successfully applied Certification Scheme CZ-ITC 1a, v_9_2020 and requirements of the technical specifications above.

The Certificate has been issued based on the product description, the related documentation and results of the evaluation as stated in the Final Report No. 313501082/2021.

Terms of use of the certificate and related information:

1. The certificate relates only to the above referenced model(s) of the product.
2. It does not imply that Institute for testing and certification, a.s. has performed any surveillance or control of the manufacturing process.
3. It is the responsibility of the certificate holder to ensure the conformity of all products of the model with the type assessed through this certificate.
4. The certificate remains valid until the manufacturing conditions or requirements of the relevant documents are changed, but no longer than to the date of validity.
5. The certificate holder shall inform Institute for testing and certification, a.s. about all essential changes in the production or materials of the certified product(s) which might affect the product conformity.
6. This Certificate includes annex, which is an integral part of it and must not be used on its own.
7. The certificate holder shall follow the Rules for Certificate Use accessible at: www.itczlin.cz

Date of issue: 14-06-2021
Valid until: 13-06-2024



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The validity of the certificate can be verified at: www.itczlin.cz



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ANNEX TO CERTIFICATE No. 21 0251 T/ITC

Issued for products:

Water Closets (Class 1, Class 2)

Table 1: The list of products and their specifications

Material Code	Material Description	Class
2000600	EWC WM "ULTRA"	Class-2
2001100	EWC "SLICK" P *	Class-2
2001101	EWC "SLICK" S *	Class-2
2001200	EWC "UNIVERSAL" P	Class-2
2001201	EWC "UNIVERSAL" S	Class-2
2002400	EWC "CONSTELLATION" P	Class-1
2002401	EWC "CONSTELLATION" S	Class-1
2002800	EWC Ext WM "CONSTELLATION"-S.White	Class-1
2004000	EWC WM "CONSTELLATION"	Class-2
2004100	EWC "STUDIO/VISTA" P	Class-1
2004101	EWC "STUDIO/VISTA" S	Class-1
2004400	EWC "POPULAR" P	Class-2
2004401	EWC "POPULAR" S	Class-2
2004700	EWC WM "CRYSTAL"	Class-2
2004800	EWC Ext WM "CRYSTAL"	Class-1
2004950	EWC "MATRIX" 65x35x46	Class-1
2005000	EWC "CLEO- S"	Class-1
2005800	EWC Ext WM "STUDIO/VISTA"	Class-1
2006100	EWC WM "STUDIO"	Class-2
2006200	EWC PONCHO	Class-1
2006500	EWC "PLUTO" S	Class-1
2006900	EWC WM "LARA"	Class-2
2007100	EWC Ext WM "TULIP"	Class-1
2007401	EWC "TROJAN"	Class-1
2007901	EWC "GREEN" S	Class-1
2008001	EWC WM DOVE	Class-2
2008200	EWC WM "MARIO"	Class-2
2008301	EWC "TANGO" S	Class-1
2008400	EWC Ext WM "MARIO"	Class-1
2008501	EWC "MAGNA"	Class-1
2008600	EWC "MALIBU" P	Class-2
2008701	EWC "STAR S" - S. White	Class-2

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2008901	EWC "CONSTELLATION PREMIUM" S- S.W	Class-1
2009501	EWC "ARIEL"	Class-1
2009600	EWC Ext WM "ETIOS" -	Class-1
2009700	EWC WM LARA Rimless	Class-2
2009800	WM FLORA	Class-2
2010400	EWC WM "STUDIO RIMLESS" -	Class-2
2010500	EWC WM "MARIO RIMLESS" -	Class-2
2010700	EWC 1 PC FLORA "P"	Class-2
2010701	EWC 1 PC FLORA "S"	Class-2
2010800	WM CLASSIK	Class-2
2010900	WM ELEGANCE	Class-2
2011801	EWC SUPERB "S"	Class-2
2012301	EWC 1 PC TOZZO	Class-2
2012400	WM Ultra Neo	Class-2
7700100	EWC ULTIMA "P"	Class-2
7700201	EWC ULTIMA "S"	Class-2
9200600	EWC ONE PC OPAL S 220	Class-2
9202400	EWC WM "ENIGMA"	Class-2
9202600	EWC Two pc CLIPPER	Class-1
9203700	EWC ONE PC ELBA P	Class-2
9203900	EWC WM TORRIN	Class-2
9204201	EWC 1PC OLIVIA	Class-2
9204700	EWC ONE PC ELBA S-220	Class-2
9204800	EWC ONE PC ELBA S-300	Class-2
9205400	EWC WM "CORNICI"	Class-2
9205500	EWC Ext WM "CORNICI"	Class-1
9205800	EWC Two pc FLORENCE	Class-1
9207101	EWC 1 Pc "FUSION" S	Class-2
9207201	EWC 1 Pc "CEDAR" S	Class-2
9207600	EWC Two pc OASIS	Class-1
9207701	EWC "GRACIA"	Class-1
9208000	EWC WM "KYLIS"-	Class-2
9208100	WM ELEMENT BOX	Class-2
9250100	WM ENIGMA JET	Class-2
9250200	WM ENIGMA SLIM	Class-2
9250431	EWC 1Pc "ALPINE" (S-220) -	Class-2
9251400	EWC WM "QUADRA" -	Class-2
9251500	EWC ONE PC PEARL S-300	Class-2
9251700	EWC WM "DOME" -	Class-2

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9252300	EWC WM "ELEMENT" Rimless	Class-2
9252800	EWC 1 Pc "ELBA RIMLESS" P -	Class-2
9252901	EWC 1 Pc "ESSENCE" (S-220)-	Class-2
9253401	EWC 1 Pc "ESSENCE RIMLESS" (S-220)	Class-2
9253500	EWC Ext WM "ENIGMA" -	Class-1
9253701	EWC 1 Pc "CEDAR" (S-220) -	Class-2
9253800	EWC WM "AMAZON AQUA SHEET" -	Class-2
9254001	EWC ONE PC ELBA S-300 Rimless	Class-2
9254100	EWC WM "ELEMENT" Rimless with Jet	Class-2
9255601	EWC 1PC ALPINE RIMLESS S-220	Class-2
9256600	WM ELEMENT PLUS	Class-2
9256900	WM CORA VORTEX	Class-2
9257701	EWC 1PC ENIGMA-220	Class-2
9258100	WM FLUID	Class-2
9260201	EWC Two pc COSMOS	Class-1
9258951	EWC Two pc Sterling	Class-1
2011600	EWC Two pc Tango P	Class-1
2009201	EWC "CUBE S"	Class-2
9257430	EWC WM "SPLENDOR NEO"	Class-2
9251231	EWC 1Pc "CEDAR" S Integrated Jet	Class-2
9255600	EWC 1 Pc "ALPINE RIMLESS" P	Class-2

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