



# SWEDISH TYPE APPROVAL 1512

WITH DECISION ON PRODUCTION CONTROL

**KEYWORD:** Tapwater

**BBR 6, 62**

**Holder:** Oras Ltd.

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**Product name:**

**Single lever mixers: ORAS Polara 1400F, 1411F, 1420F, 1438F**

Single lever mixers of brass (EN 817) equipped with or without pop-up waste. The mixers are equipped with type approved flexible coupling lines. The product overview is shown in the associated documents in Annex 1, to the Type Approval.

**Intended use**

Washbasin and kitchen mixers for hot and cold tap water.

**Approval**

Products made and installed according to related documents are approved with respect to the following sections of the Swedish Building Regulations (BBR):

Installations for tap water,	6:62*
1.a the sentence, and 2.a the paragraph and general advice	
Tap water, 1.a the sentence	6:623
Design, 1.a and 4.e the paragraph	6:625

\*The Products meet the requirements in BFS 2014:3

For the intended use the products meet the following requirements of PBL, regulations governing the technical properties of materials, products etc. used in construction works Chapter 8 Section 4 about the technical characteristics of buildings and constructions.

3. Protection with regard to hygiene, health and environment

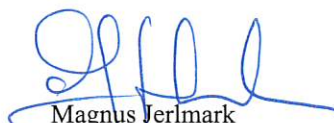
Appendix 1: Associated documents	05-06-2018
Appendix 2: Product marking	05-06-2018
Appendix 3: Control	05-06-2018
Appendix 4: Basis for approval	05-06-2018

Date of decision: 05-06-2018

Ref. no: 427/18

Valid until: 04-06-2023

**Kiwa Sverige AB**

  
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CERTIFIKAT

**Kiwa Sverige AB**

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Accred. no. 1913  
Certification of  
Products  
ISO/IEC 17065

**Annex 1**

**Type Approval No. 1512**

**Product: Oras Polara 1400F, 1411F, 1420F, 1438F**

**Holder: Oras Ltd.**

**ASSOCIATED DOCUMENTS 05/06/2018**

Artikel nr	Description	Mounting- Service instruction
Polara 1400F	Washbasin mixers with lifting valve, fixed outlet pipe and faucet jet-regulator	943217/04/16
Polara 1411F	Washbasin mixer with a fixed outlet pipe and faucet jet-regulator	943217/04/16
Polara 1420F	Kitchen mixer with a pivotal outlet pipe	943241/10/16
Polara 1438F	Kitchen mixer, tall pivotal outlet pipe	943241/10/16

**Annex 2**



**Type Approval No. 1512**

**Product: Oras Polara 1400F, 1411F, 1420F, 1438F**

**Holder: Oras Ltd.**

**PRODUCT MARKING 05/06/2018**

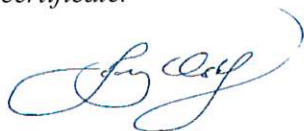
The product shall be permanently labelled with the following information:

- a. Holder: Oras Ltd.
- b. Product name: Oras Polara 1400F, 1411 F, 1420F, 1438F
- c. Manufacturing site: OLE/KRA
- d. Traceable mark to production date.
- e. Information on class or other important information
- f. Kiwa Sverige  Type Approval no: 1512 and the reg. mark of Boverket: 
- g. Ackrediteringsnummer: 1913
- h. Designated Inspection Body: Kiwa

Manufacturer's declaration according to § 17 of the Type 7 in the accompanying documents:

Manufacturer's declaration:

*The manufacture of this product has been made in accordance with the Construction Products Certificate decision on production control and the documents submitted to the decision of issue of this certificate.*



Johnny Ostfeldt

**Kiwa Sverige AB**

**Annex 3****Type Approval No. 1512****Product: Oras Polara 1400F, 1411F, 1420F, 1438F****Holder: Oras Ltd.****CONTROL 05/06/2018****Instructions for control**

Production Control must be carried out in accordance with instructions for control according to Nordic Inspection agreement between Kiwa and Oras Group, Rauma Finland no. 1168/2017, dated 2017-12-07 as well as according Appendix 5 in this certificate.

**Annual reporting:**

The validity of the Type Approval requires that the production control is carried out and that the manufacturer annually fulfils the requirements for supervisory control. Annual supervisory control shall be conducted by the inspection body Kiwa Sverige.

The approval holder shall send to Kiwa Sverige a .copy of the annual report from performed annual inspections conducted by the inspection body Kiwa Sverige

**Building Control:**

Building Control must be carried out through identifying the products, and control of the correct installation of the product by an expert, according to the manual.

**Annex 4****Type Approval No. 1512****Product: Oras Polara 1400F, 1411F, 1420F, 1438F****Holder: Oras Ltd.****BASIS FOR APPROVAL 05/06/2018**

The Type approval is based on:

Test report no. 57216416-01, dated 2017-03-21, TÜV-LGA EN 817:2008/09 and DVGW W 574: 2007-04

Test report no. 120120/16, dated 2016-09-14 SKZ EN 817:2008/09 and DVGW-Arbetsblad W 574: 2007-04

Test report no. 160200935/A11440-A-rev0, dated 2017-09-25, Kiwa NL. EN 817:2008

Test report no. 160200935/A11440-B-rev0, dated 2017-09-25, Kiwa NL. EN 817:2008

Test report no. 160200935/A11440-C-rev0, dated 2017-09-25, Kiwa NL. EN 817:2008

Test report no. LGA 57216416-4

Inspection agreement no. 1168/2017

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Johnny Ostfeldt

**Kiwa Sverige AB**

**Annex 5****Type Approval No.1512****Product: Oras Polara 1400F, 1411F, 1420F, 1438F****Holder: Oras Oy****INSTRUCTIONS FOR CONTROL 05/06/2018**

Type approval requires the manufacturer's own internal quality control and the continuous external quality control carried out by an accredited inspection body.

**Internal quality control**

Internal quality control shall ensure that the certified product complies with the approval during its validity period. If changes that might affect the product's type approved properties are made in the quality or manufacturing of the type approved sanitary tapware, including installation methods and accessories, the manufacturer is obligated to provide advance notification of this to the issuer of the type approval and the third-party quality inspection body in writing.

Continuous internal quality control by the manufacturer must include at least the following:

1. Acceptance inspection of materials:  
raw materials, fixing materials, seals, semi-finished products.  
Scope: Each batch received and all tests and inspections carried out are recorded; all detected deviations are recorded.
2. Manufacturing process:  
moulding process, dimensioning, chrome plating, paint finish, product assembly.  
Scope: Continuous temperature monitoring once per shift. Visual inspection on all products.
3. Functional properties:  
tightness, closing.  
Scope: all products must be verified in accordance to the test method stated in EN 817
4. Labeling of the product according to annex 2 of the type-approval.  
Scope: all products which are complying with the requirements of type approval shall be marked. Otherwise, the sanitary tapware cannot be marked.
5. Work instructions, work methods (i.e. delivery check incl. assembly - and installation instructions). All changes made and their times should be recorded.

The manufacturer must preserve the documentation covering the records from the internal quality control for at least 10 years.

The manufacturer must have a persistent methodology for receiving and processing claims of defects.

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Johnny Ostfeldt

**External quality control**

External quality control comprises a review of the manufacturer's internal quality control, and shall be performed once per year by an accredited inspection body according to the agreement no. 1168/2017

The following must be checked at least:

1. Quality Management System of the company
2. The kept documentation covering the records from the internal quality control
3. Receiving, handling and checking of incoming materials
4. Test report containing obtained results of functional properties
5. Calibration of the testing equipment used by the manufacturer
6. Conformity between produced products and the requirements of the type approval
7. Accidental release measures
8. Handling of customer complaints
9. Labeling of the products.

**Annual report**

The validity of the Type Approval requires that the production control is carried out and that the manufacturer annually fulfils the requirements for supervisory control.

The designated inspection body shall submit to Kiwa Sverige, department of product certification, a yearly report of the performed inspection.

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