

# CERTIFICATE FOR CONSTRUCTION



Czech

Registration number **09.066.087**

issued according to § 3 art. 3 of the Decree of the Government No. 163/2002 Sb.  
in the valid wording for the manufacturer:

**VÍTKOVICE ENVI a.s.**  
**Ruská 1142/30**  
**CZ - 703 00 Ostrava - Vítkovice**  
**Company Registration No.: 04528131**

for the product:

Name: **Enamelled steel tanks**  
 Description of the product: **Enamelled steel tanks used for the storage of dangerous materials, service water, waste water and potable water**  
 Manufacturer: **VÍTKOVICE ENVI a.s.**  
 Identification of the product: **Tanks of nominal capacities from 4 to 10218 m<sup>3</sup>**  
 Delimitation of mode for application: **Storage of dangerous substances, service water, wastewater and potable water.**

This certificate is issued on the basis of assessment of reference materials of the manufacturer and delimitation of the technical properties of the product in relation to the essential requirements for the construction and on the basis of confirmation tests of the product sample and their evaluation.

The delimited technical properties of the product are given in the Annex of this certificate which forms its integral part and contains 2 pages.

This certificate is valid till: 22.12.2019

Prague, 22.12.2016



On behalf of the Authorized  
 Body 211  
**Jana Bačínová**  
 Head of Quality Department



| Essential requirement<br>NV 163/2002 Sb                     | Technical specification,<br>standard  | Required property  | Procedure<br>Standard   |
|---|---|--|---|
| 1d) <i>Mechanical ruggedness and stability</i>              | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-1,<br>EN 1090-1, EN<br>1993-4-2, NA ed<br>A, ČSN EN ISO<br>28765            | <i>Follow the properties with regard to collapse of the whole construction or its part, for a higher degree of inadmissible distortion, damage of other parts of the construction, e.g. shell, roofing, bearing structure and accessories.</i>   | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-1,<br>DIN 1055-2,<br>EN 1090-1,<br>DIN 11 622,<br>EN 1993-4-2,<br>NA ed. A, ČSN<br>EN ISO 28765 |
| 2 d,e) <i>Fire safety</i>                                   | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-1,<br>EN 1991-1-2, NA<br>ed. A, ČSN<br>061008                               | <i>The declared properties by the manufacturer concerning the preservation of carrying capacity and stability of the construction and restriction of fire generation and smoke propagation.</i>  | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-1,<br>EN 1991-1-1,<br>NA ed. A<br>ČSN 061008  |
| 3 d,e) <i>Hygiene, protection of health and environment</i> | EN 12566-1<br>ČSN 65 0201,<br>ČSN 69 0015<br>, ČSN 75<br>0905:2014<br>and decree<br>No.409/2005<br>Sb., EN ISO<br>28765 | <i>Securing of sealing of all joints of shell sheets, e.g.by elastic jointing materials for prevention of leakage and penetration of dangerous materials into the environment and further possible extension. Use of suitable range of tightness checking. Securing of material properties for the contact with potable water.</i> | EN 12566-1<br>ČSN 65 0201,<br>ČSN 69 0015<br>, ČSN 75 0905<br>and decree<br>No. 409/2005<br>Sb., EN ISO<br>28765                            |
| 4 <i>Operational safety</i>                                 | EN 12566-1<br>ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-1,<br>EN1090-1  | <i>Declaration of technical requirements for accessories for prevention of hurting of personnel.</i>   | EN 12566-1<br>ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-1,<br>EN1090-1  |

**More specific requirements for assessment:**

**The product is classified in the Annex No. 2, production group (7.9) for Storage service water, wastewater and potable water, according to Decree of the Government No.163/2002 Sb. and its conformity is assessed by §5 of the same provision.**

This language version of the certificate is a translation of a Czech official version No. 09.066.087 issued on 22.12.2016, which is deemed the only one applicable in the event of legal disputes and was printed on 22.12.2016.



The technical properties of the product have been assessed according to the technical documentations of the manufacturer:

- Complete drawing documentation of selected sample of enamelled tank Ø 33,429 m
- Delivery terms for enamelled tanks for storage of dung water, service water, waste water and potable water.

Data concerning the technical properties of the product, their levels and procedures for determination:

| Essential requirement<br>NV 163/2002 Sb                 | Technical specification,<br>standard  | Required property   | Procedure<br>Standard   |
|---|---|---|---|
| 1d) Mechanical ruggedness<br>and stability              | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-1,<br>EN 1090-1, EN<br>1993-4-2, NA ed.<br>A, ČSN EN ISO<br>28765 | Follow the properties with regard<br>to collapse of the whole<br>construction or its part, for a<br>higher degree of inadmissible<br>distortion, damage of other parts<br>of the construction, e.g. shell,<br>roofing, bearing structure and<br>accessories.  | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-<br>1, DIN 1055-2,<br>EN 1090-1,<br>DIN 11 622<br>EN 1993-4-2,<br>NA ed. A, ČSN<br>EN ISO 28765 |
| 2 d,e) Fire safety                                      | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-1,<br>EN 1991-1-2, NA<br>ed. A, ČSN<br>061008                     | The declared properties by the<br>manufacturer concerning the<br>preservation of carrying capacity<br>and stability of the construction<br>and restriction of fire generation<br>and smoke propagation.   | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-<br>1, EN 1991-1-<br>1, NA ed. A<br>ČSN 061008  |
| 3 d,e) Hygiene, protection of<br>health and environment | ČSN 65 0201,<br>ČSN 69 0015<br>end ČSN 75<br>0905:2014, ČSN<br>EN ISO 28765                                   | Securing of sealing of all joints of<br>shell sheets, e.g. by elastic<br>jointing materials for prevention<br>of leakage and penetration of<br>dangerous materials into the<br>environment and further possible<br>extension. Use of suitable range<br>of tightness checking. Securing<br>of material properties for the<br>contact with potable water. | ČSN 65 0201,<br>ČSN 69 0015<br>end ČSN<br>75 0905:2014<br>ČSN EN ISO<br>28765   |
| 4 Operational safety                                    | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-1<br>EN1090-1   | Declaration of technical<br>requirements for accessories<br>for prevention of hurting of<br>personnel.  | ČSN 65 0201,<br>ČSN 69 0015,<br>ČSN 69 8119-<br>1<br>EN 1090-1  |

More specific requirements for assessment:

The product is classified in the Annex No. 2, production group (10.12) for Storage of dangerous substances, according to Decree of the Government No.163/2002 Sb. and its conformity is assessed by §5a of the same provision

