



ÉMI ÉPÍTÉSÜGYI MINŐSÉGELLENŐRZŐ INNOVÁCIÓS
NONPROFIT KORLÁTOLT FELELŐSSÉGŰ TÁRSASÁG
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ÉMI NON-PROFIT LIMITED LIABILITY COMPANY FOR QUALITY CONTROL AND INNOVATION IN BUILDING
ÉMI SOCIÉTÉ À BUT NON LUCRATIF POUR LE CONTRÔLE DE QUALITÉ ET L'INNOVATION DU BÂTIMENT, RESPONSABILITÉ LIMITÉE
ÉMI NON-PROFIT GESELLSCHAFT FÜR QUALITÄTSKONTROLLE UND INNOVATION IM BAUWESEN MIT BESCHRÄNKTER HAFTUNG

A-38/2010

ÉME
TECHNICAL APPROVAL
for construction industry applications

Product description: WC flushing devices made by SANICA

Intended field of application: The products may use for supply the water for flushing WC applications.

Applicant: SANICA HUNGARY Kereskedelmi és Szolgáltató Kft.
as the distributor: 3508 Miskole, Futó utca 46.

Product manufacturer: Sanica Banyo ve İnşaat Sanayi Ticaret A.Ş.
Kavaklı Mahallesi, İstanbul Caddesi, No: 8/10
34520 Beylikdüzü, İstanbul, Turkey

Code of the product of ÉMI Nonprofit Kft. list (SZRJ): 5.3.3.6. WC flushing cisterns
5.2.2.3. Water supply valves
5.3.3.7. Panels for HVAC installation

Valid: 31. March 2015.

Budapest, 2. March 2010.



Sándor Horváth
(Sándor Horváth)
Deputy General Manager
Director for Quality Affairs and Marketing

This Technical Approval comprises 5 pages.

The validity of the Technical Approval ÉME can be checked on ÉMI Nonprofit Kft.'s homepage. KBiA-II-04.0-2009.09.17.



I. LEGAL REGULATIONS AND GENERAL CONDITIONS

1. This ÉME has been issued by Építéstügyi Minőségellenőrző Innovációs Nonprofit Kft., on the basis of the following:
 - Joint Decree 3/2003 (I. 25) BM-GKM-KvVM on the detailed regulations applying to the technical requirements, conformity certification, distribution and use of construction products,
 - the marking featuring in Communiqué 16/1998 (IKK.8) IKIM,
 - assessment of test results detailed in the Conformity Assessment Test Protocol submitted to the Applicant and identified with the same number as that of the Technical Approval.
2. The holder of the Technical Approval – the natural or legal entity, who (which) requested it directly or through its representative and for whom (which) ÉME was issued by ÉMI Nonprofit Kft. – is responsible to make sure that the product corresponds to the ÉME specifications and furthermore that the user receives all information necessary for application for the envisaged purpose.
3. ÉMI Nonprofit Kft. – as the approving organization – is entitled to check compliance with the ÉME specifications and to observe whether the product meets the technical specifications. The follow-up inspection may be carried out by ÉMI Nonprofit Kft. – at the applicant's cost – in a laboratory, at the production site, at the applicant's site and at a reference site where the product is installed.
4. The ÉME may only be used by its holder as a technical specification for issuing the conformity certification. It may not be conferred upon any other party by the ÉME holder. The ÉME only applies to a product manufactured at the production sites shown.
5. If within the validity period of ÉME a homologized and harmonized European standard is issued covering the product, ÉMI Nonprofit Kft. must withdraw the ÉME pursuant to the Joint Decree 3/2003 (I. 25) BM-GKM-KvVM within one year of publication, except when the product substantially deviates from the stipulations of the standard.
6. ÉMI Nonprofit Kft. may withdraw the ÉME applying to the product if the follow-up inspection cannot be performed or the result of inspection is not satisfactory, or it becomes clear that the product is not fit for the intended purpose. The holder of the ÉME is obliged to report any change in the characteristics of the product or its manufacturing conditions. Next, it will be ÉMI Nonprofit Kft.'s turn to decide whether the ÉME continues to be in force or a new process is to be initiated with the ÉME withdrawn. If inspections are necessary to decide this matter, ÉMI Nonprofit Kft. may suspend the validity of ÉME for this period.
7. ÉME is issued by ÉMI Nonprofit Kft. in Hungarian, but in case this is requested by the applicant, a translation into English, German, French or perhaps other languages can be made. The basis for legal validity is the Hungarian version of the ÉME.
8. ÉME may only be copied or issued on a different data source in its entirety. For any publication as an abstract, the written consent of ÉMI Nonprofit Kft. is required. In case publication is made as an abstract, this fact must be shown. The text and figures in descriptions for advertising purposes may not be contrary to the substance of the Technical Approval ÉME and may not lead to a misunderstanding.
9. ÉME as a technical specification does not substitute other permits (e.g. health care, construction industry regulatory permits) or certificates (e.g. fire safety conformity certificate, product conformity certification) necessary for distributing, applying, installing and using the product.
10. The conformity certification issued on the basis of the Technical Approval ÉME does not make the manufacturer or the distributor eligible for showing the conformity marking CE on the product or its packaging.

II. SPECIAL TERMS AND CONDITIONS APPLYING TO THE TECHNICAL APPROVAL

1. PARTICULARS

1.1 Manufacturing site(s) of the product

Sanica Banyo ve İnşaat Sanayi Ticaret A.Ş.
Kavaklı Mahallesi, İstanbul Caddesi, No: 8/10
34520 Beylikdüzü, İstanbul, Turkey

1.2 Description of the product and its envisaged application

The products are wall hung and concealed plastic WC flushing cisterns and steel installation frames, and filling and float valves.

The wall hung devices are consists thermal isolated, plastic cisterns, plastic filling and flushing mechanisms. The cistern may fix to the wall by screws. The flushing starts with an operating mechanism installed on the top of the cistern.

The concealed WC flushing devices are consists plastic WC flushing cistern, and galvanized steel installation frame. The flushing is similar to the wall hung devices, they can be operated by the button on the front. The adjustment, in case of the replacement of the parts is ensured with the removal of the front panel, built-in tank case.

2. PRODUCT CHARACTERISTICS AND TESTING METHODS

Compliance, conformity certification and type testing rates

Product characteristics and units	Requirement with tolerance limits	Testing/assessment method
2.1.1. Mechanical resistance and stability		
threaded end connections	MSZ EN 14124:2005 6.1.	MSZ EN 14124:2005 7.2.
max. load of the frame, kg	400	MSZ EN 997:2004 5.8.4.
2.1.2. Fire safety		
-		
2.1.3. Hygiene, health care and environmental issues		
backflow prevention	MSZ EN 14124:2005 6.2.	MSZ EN 1717:2001
2.1.4. Safety of use		
performance of filling valve	MSZ EN 14124:2005	MSZ EN 14124:2005
performance of the flushing tank	prEN 14055:2007	prEN 14055:2007
2.1.5. Noise and vibration control		
noise emission	MSZ EN 14124:2005 8.	MSZ EN ISO 3822-1:2000 MSZ EN ISO 3822-4:2000
2.1.6. Energy saving and thermal protection		
-		
2.1.7. Durability		
quality of raw materials	PP, PS, ABS, HDPE, POM	certificate
durability, cycles	MSZ EN 14124:2005 6.8.	MSZ EN 14124:2005 7.9.
2.1.8. Other characteristics		
design of connecting threads	MSZ EN ISO 228-1:2003	MSZ EN ISO 228-2:2003
marking	MSZ EN 14124:2005 9. identifiable	visual inspection



3. ASSESSMENT OF CONFORMITY

3.1 Method of conformity certification

According to Annex 4 of Joint Decree 3/2003 (I. 25) BM-GKM-KvVM:
ii) Supplier's Declaration of Conformity, second option (3)

3.2 Responsibilities of the manufacturer and the appointed organization

Ongoing supervision, assessment and approval of in-plant production control.

3.2.1. The manufacturer's responsibilities

The manufacturer shall carry out its own production control at its factory, meeting the necessary conditions regarding both facilities and personnel. The manufacturer's own production control means that production is continuously monitored by the manufacturer, to make sure that the product turned out by it for construction purposes complies with the stipulations of this Technical Approval ÉME.

The manufacturer's own production control shall include not less than the following measures:

- The quality of raw materials shall be checked on the basis of quality certificates in the case of all incoming shipments.
- In the course of production (even by using a repeated in-process monitoring phase), the products shall be manufactured uniformly, in the dimensions corresponding to those featuring in the product description.

The results of the manufacturer's own production control shall be noted and evaluated.

The records shall at least include the following details:

- The description of product or raw material used for construction purposes;
- The type of control or inspection;
- The date when the product or raw material made for construction purposes have been manufactured and tested;
- The results of controls and inspections and comparison with the requirements;
- The signature of the person responsible for the factory's own production control.

The records shall be retained for not less than five years.

If the test results are unsatisfactory, the manufacturer shall take immediate measures to eliminate the shortfalls.

The products that do not meet the requirements must be treated in a way that mixing up with satisfactory products is avoided. Once the shortfalls are eliminated – in case this is technically possible and necessary for proving that the shortfalls have been eliminated – the relevant test is to be repeated.

3.2.2. Responsibilities of the appointed organization

- The first type testing of the product

4. TERMS OF CONFORMITY, RECOMMENDATIONS

4.1. Terms of conformity

4.1.1. Product

If any changes are introduced in the design and materials of the products, it is necessary to perform a new conformity assessment inspection.

4.1.2. Production

If any changes are introduced in the technology applied during the manufacturing of the products or in the manufacturing site, it is necessary to perform a new conformity assessment inspection.

4.1.3. Distribution

4.1.3.1 Customer information (product description) and installation guidelines including at least the following details shall be attached to the products:

- name and address of the manufacturer/distributor
- ÉME number
- description and design of the product
- main dimensions
- the information for the design (dimensions of connections, minimal and maximal water pressure, etc.)
- detailed installation and maintenance instructions

4.1.3.2 For identification, the name and mark of manufacturer shall be shown on the products.

4.1.4. Installation

4.1.4.1 The products shall be fitted in accordance with the installation guidelines issued by the manufacturer.

4.2. Recommendations

4.2.1. Recommendations for packaging, transport and warehousing

The packaging shall include the product description and installation guidelines.


In the course of packaging, storage and transport, the integrity of the products shall be provided for until they are received by the user.

5. FOLLOW-UP INSPECTION AND OTHER CONDITIONS


During the validity period of the Technical Approval ÉME, a follow-up inspection shall be carried out once.

An order to perform a follow-up inspection shall be submitted to ÉMI Nonprofit Kft. until **30. September 2012**.

If the follow-up inspection obligation is neglected, the Technical Approval ÉME becomes null and void, and ÉMI Nonprofit Kft. will delete it from the data base of valid Technical Approvals.


Oskó József
Project Manager

ÉMI ÉPÍTÉSÜGYI
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8.


Haszmann Iván
Head of Scientific Department