VENMAN
SAVING ENERGY PRODUCTS

7th km Old National Road Thessaloniki - Kilkis

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VENMAN | materialize your ideas

ΠΙΣΤΟΠΟΙΗΤΙΚΑ ΔΗΜΟΣΙΑΣ ΥΓΕΙΑΣ

- ΕΣΩΤΕΡΙΚΟ ΕΠΙΧΡΙΣΜΑ
- ΑΝΤΙΨΥΚΤΙΚΟ
- WRAS

Quality means doing it right when no one is looking.
Henry Ford

VENMAN
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ΠΙΣΤΟΠΟΙΗΤΙΚΑ ΕΣΩΤΕΡΙΚΟΥ ΕΠΙΧΡΙΣΜΑΤΟΣ (ΣΜΑΛΤΟΥ), ΑΝΤΙΨΥΚΤΙΚΟΥ ΥΓΡΟΥ ΚΑΙ WRAS

ΠΙΣΤΟΠΟΙΗΤΙΚΑ ΔΗΜΟΣΙΑΣ ΥΓΕΙΑΣ

Τα πιστοποιητικά αυτά έχουν να κάνουν με την καταλληλότητα προς χρήση των προϊόντων των οποίων διαπραγματεύονται.

Τέτοια πιστοποιητικά είναι το πιστοποιητικό καταλληλότητας για πόσιμο νερό, για το αντιδιαβρωτικό επίχρισμα, των δεξαμενών και το πιστοποιητικό επαφής με βρώσιμα προϊόντα, για το αντιψυκτικό υγρό, που διαθέτει η εταιρεία μας.

Η πιστοποίηση των προϊόντων με τέτοιου είδους πιστοποίησης έχει να κάνει με το γεγονός ότι το νερό των ηλιακών συστημάτων έρχεται σε επαφή άμεσα ή έμμεσα με τρόφιμα αλλά και με το ποτήρι μας. Γι΄ αυτό και η ύπαρξη τους κρίνεται απαραίτητη.

Τα πιστοποιητικά αυτά είναι πλέον απαραίτητα όχι μόνο για την ασφάλεια του τελικού καταναλωτή άλλα και την νομική κάλυψη και ασφάλεια όλων των τρίτων μερών που εμπλέκονται στην αγοροπωλησία των προϊόντων.

FACHHOCHSCHULE KOBLENZ

Amtliche Prüfstellen

Fachhochschule Koblenz - Amtliche Prüfstellen - Rheinau 56 203 Höhr-Grenzhausen - Telefon (02624)910915/910914
Telefax (02624)910940

Fa.
EMO Kemija d.o.o.
Mariborska c.86
3000 CELJE
Slowenien

EMO - KEMIJA
Datum: 31.3.00 Št. 949
Prejemnik: Perhin

Amtliche Prüfstellen
Keramik

- Keramische Technik und Baustoffe
- Feuerfeste Werkstoffe
- Thermophysikalische Untersuchungen
- Chemische Analytik
- Mineral- und Gefügeuntersuchungen
- Wärme- und Verfahrenstechnische Untersuchungen

Prüfbericht KP 33-1/00
vom 29.3.2000
Prüfung von Boileremail.

Auftraggeber: EMO Kemija d.o.o.
Probeneingang: 5.1.2000
Emailtyp: Boileremail - **Versatz Nr 201030-18300**

Prüfnorm: **Beständigkeit gegen Warmwasser**
DIN 4753, Teil 3 , Punkt 4.4.2 und 5.4.2.

„Die Prüfung wird als Vierfach-Parallelprüfung nach DIN ISO 2744 mit einer Prüfdauer von zweimal je 540 Stunden (21 Tage) durchgeführt". Gewertet wird die zweite Prüfrunde.

2.Warmwasserbeständigkeit Flüssigphase:

Versuch 1 : 0,44 g/m²
Versuch 2 : 1,08 g/m²
Versuch 3 : 0,80 g/m²
Versuch 4 : 0,68 g/m²
Mittelwert: 0,75 g/m²

3.Beständigkeit gegen Warmwasser gemäß Punkt 4.4.2.:

„ Der Emailabtrag darf nach der Prüfung (zwischen dem 21. Und 42. Tag) nicht größer als 3,5 g/m² sein.

Die Normbedingungen sind erfüllt.

Prüfstellenleiter
Prof.Dr.H.Rasch

Fachhochschule des Landes Rheinland-Pfalz * Amtliche Prüfstellen * Abt. Koblenz *

Bearbeiter
Dipl.Ing.(FH) J.Müller

EMO FRITE d.o.o.
Celje
SLUŽBA KAKOVOSTI

CERTIFICATE
FOR BOILER ENAMEL

TYPE OF PRODUCT
Boiler enamel for wet enameling of boilers and hot water tanks.

TEST METHOD
Enamel is prepared with mixing with water than applied on steel suitable for enameling. Steel sheet must be cleaned and pickled or shot blasted before enameling.

QUALITY TEST in accordance

DIN 4753/3 Water heaters and water heating installations for potable water and for service water, corrosion protection on the water side by enameling requirements and testing

DIN 4753/3:		
4.3.1 Adhesion with falling ball	1 – 2	DEZ MB 7.10.3
4.3.2 Impact test	10N	DIN 51155
4.4.1 Temperature shock test	200°C	5 times
4.4.2 Hot water resistance	< 3,5g/ m^2	ISO 2744
4.4.3 Cold hydrochloric acid resistance	Class AA	EN 14483-1:2004
4.5 Health suitability	< 0,3 mg/ m^2 Pb	DIN 51032, EN 1388-2
	< 0,03mg/ m^2 Cd	

Enamel gives good results when testing to DIN 4753/3 point 4.2.4. (i < 22,5mA/m^2). This property can be measured only on boiler.

RESULT
Enamel passed tests in accordance to standard DIN 4753/3. It is suitable for enameling boilers-water heaters and hot water tanks that comes into contact with drinking water.

Quality control
Nada Božiček

FACHHOCHSCHULE KOBLENZ

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Prüfstellenleiter
Prof.Dr.H.Rasch

Fachhochschule des Landes Rheinland-Pfalz Amtliche Prüfstellen Abt. Koblenz

Bearbeiter
Dipl.Ing.(FH) J.Müller

Approval Number: 1702529
Test Report: LGC/WAT/2017/001

Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

7th March 2017

EMO FRITE d.o.o
Mariborska 86,
3000 Celje,
Slovenia

WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS)
MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

COATINGS, PAINTS & LININGS - FACTORY APPLIED PIPE & FITTINGS COATINGS. **5030**

'R-4401, E-44131, E-4413, E-4414, E-4420, E440001, E441001, E440002, E441002, E-5402, E-5403, E-5404, E540001. E541001, E540002, E540003 & E541003'. Factory applied, grey-blue coloured enamel coatings. Apply as per manufacturer's instructions 'issue 02/2016' dated 05.10.2016. Cure for 6 minutes@840°C. For use with water up to 85°C. This material is only approved for the curing conditions that appear on the approval. If the cure conditions are varied from those specified on the approval then the material is not covered by the scope of the approval.

APPROVAL NUMBER: 1702529
APPROVAL HOLDER: EMO FRITE D.O.O

The Scheme reserves the right to review approval.
Approval 1702529 is valid between February 2017 and February 2022

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wras.co.uk/directory

Yours faithfully

Jason Furnival
Approvals & Enquiries Manager
Water Regulations Advisory Scheme

WRAS MATERIAL APPROVAL - MATERIALS WHICH HAVE PASSED FULL TESTS OF EFFECT ON WATER QUALITY

The material referred to in this letter is suitable for contact with water for domestic purposes. **Approval of this material does not signify the approval of its mechanical or physical properties for any use.**

Manufacturers or applicants may only quote in their sales literature terms which are used in this letter, namely that; 'the material as listed, having passed the tests of effect on water quality, is suitable for use in contact with wholesome water'

This may be abbreviated to 'Water Regulations Advisory Scheme - Approved Material' or 'WRAS Approved Material'.

The scope of an Approval does not extend to rebranded materials unless otherwise agreed by the Scheme.

Use of the WRAS Approved Material Logo

Approval holders may use the WRAS Approved Material logo and make reference to any approval issued by WRAS Ltd. in respect of a particular material or range of materials provided the approval is, and remains valid.

Approval holders are entitled to use the logo on the packing, promotional literature and point of sale advertising Approved Materials.

Modifications to existing Approvals

It is a condition of WRAS Material Approval that NO changes or modifications to the Approved Material, be made without the Approval Holder first notifying WRAS Ltd. Full details of the proposed changes must be provided to the Scheme. Failure to comply with this condition will immediately invalidate a previously granted Approval.

Re-Approval

WRAS will write to you 1 year before the approval expires asking whether you would like to renew it. Please complete the relevant section of the MA3 application form which will be included with the letter and return to WRAS (via e-mail or post).

Please note it is the responsibility of the Approval Holder to ensure the Approval remains valid. WRAS Ltd. accepts no liability for the delay in granting approval where this is caused by circumstances outside of the Scheme's control.

This is to certify that

ELDON'S ILIOTHERMINE

supplied by

ELDON'S SA

20 Souliou Street, N. Halkidon, 143 43, Athens, Greece

has been registered by InS Services (UK) Ltd

InS HT1

InS Registered
No: 1796553

Incidental Food Contact

This product is acceptable as a heat transfer fluid in locations where there is a possibility of incidental food contact. The amount used should be the minimum required to accomplish the desired technical effect.

Signed: ..... Date: 6 November 2013

InS Services

This certificate is only valid when the product is listed in the InS Register at www.insservices.eu