

QETICS ROMANIA

THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

The third Edition of the National ETICS Forum **QETICS AND THE QUALITY IN THE ROMANIAN ETICS MARKET**

Bucharest, 19 September 2019

Ramada Parc Convention Centre

Mincu Hall

QETICS ROMANIA

THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

PART ONE

QETICS ACTIVITY IN THE ROMANIAN ETICS MARKET

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QETICS ROMANIA

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Welcome to Bucharest



Enjoy the city



QETICS ROMANIA

THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

THE QETICS' MEMBERS 2008

The Initiative group:

- **Baumit Romania Com SRL – brand Baumit**
- **Daw Benta Romania SRL – brand Caparol**
- **EJOT Romania SRL – brand EJOT**
- **Henkel Romania SRL – brand Ceresit**



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- Henkel Romania SRL – brand Ceresit
- Knauf Insulation Romania SRL – brand Knauf
- Lasselsberger Knauf Romania SRL – brand LB Knauf
- Rockwool Romania SRL – brand Rockwool

Brand



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CAPAROL

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Den Braven

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EJOT®

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KNAUFINSULATION
E timpul să economisim energie

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LASSELSBERGER - KNAUF
profesioniștii mortarelor

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I. QETICS aims:

- ▶ **Verified and tested ETICS system promotion.**
- ▶ **Training course promotion.**
- ▶ **Performance criteria for buildings.**
- ▶ **Promotion of the new technical & building material solutions.**
- ▶ **New rules for the mounting of the systems.**

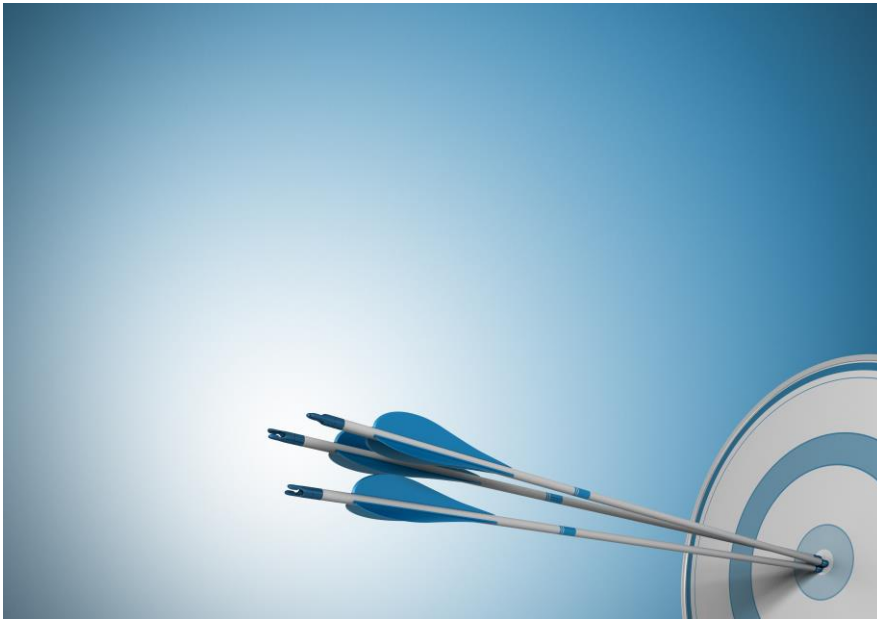


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2. QETICS objectives:

- ▶ The quality improvement of the ETICS systems.
- ▶ The market survey.
- ▶ The producers' quality survey.
- ▶ The co-operation with the professional associations, research companies, building materials companies, universities, local administration, etc.



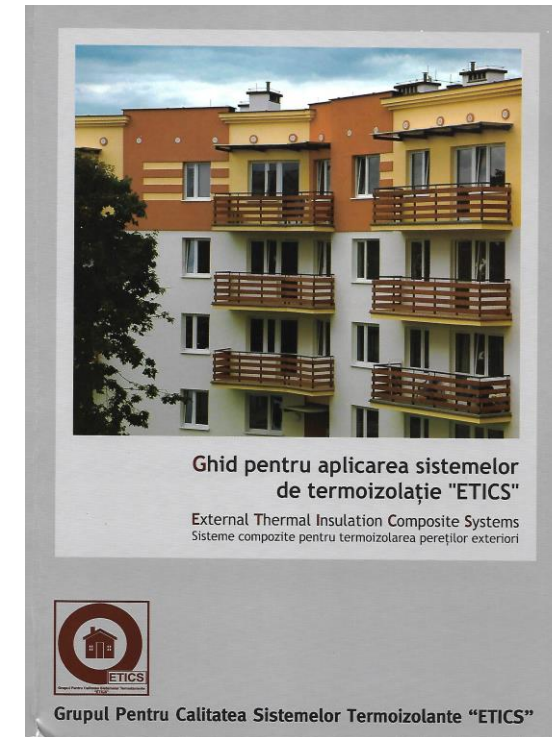
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3. The ETICS System Loyalty

3.1. QETICS Joint Projects

- ▶ The first QETICS "Quality Guide" – 2010.
- ▶ The Labour Manual Norms – 2012.
- ▶ The Occupation Standard – 2015 – manpower training norm as Quali-Shell 2020.
- ▶ The National ETICS Guide GP123 – 2013 and Drawing Detail SC007 – 2013.



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3. The ETICS System Loyalty

3.2. QETICS Projects

► The second QETICS "Quality Guide" – 2016÷2017.

► The contents:

Seven parts, thirty chapters, and seven appendices.



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3. The ETICS System Loyalty

3.2. QETICS Projects

- ▶ The first QETICS "Drawing detail book" – 2017.
- ▶ The new QETICS website – 2017.
- ▶ The "National ETICS Forum" in 2017, 2018 and 2019.
- ▶ The workshop "The ETICS fire protection" in 2017, 2018 and 2019.

Sisteme Termoizolante Compozite
de Fațadă "ETICS"



Caiet cu Soluții Cadru
QETICS 2017

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3. The ETICS System Loyalty

3.3. QETICS Collaboration

- ▶ The Pro nZEB Cluster.
- ▶ Patronaje of the Building Construction Companies' Federation (FPSC).
- ▶ Patornaj of the Building Construction Companies (PSC).
- ▶ Universities and designing companies.
- ▶ Associations & Building construction companies.
- ▶ State authorities for control and guidening in building construction.



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4. Domestic activities

QETICS in 2019

Over 30 workshops' participation in Bucharest, Iasi, Cluj-Napoca, Tg. Mures:

- ▶ Promoting the quality criterias.
- ▶ Promoting the QETICS Guidelines.
- ▶ Promoting the QETICS "Drawing detail book".
- ▶ Promoting the new European Norms.



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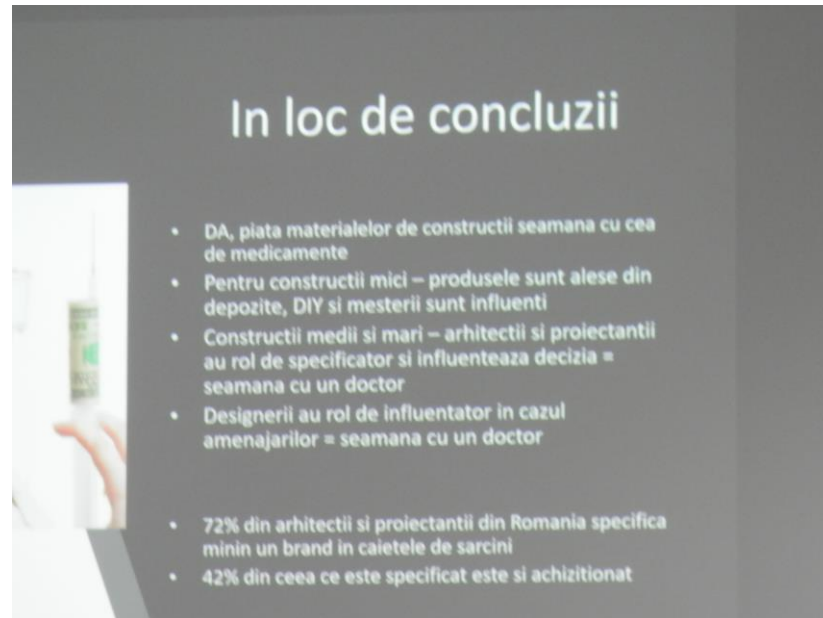
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5. External activities

QETICS & EAE Collaboration

- ▶ Since 2016 QETICS has been an EAE member.
- ▶ EAE General Meeting.
- ▶ EAE Technical Committee.
- ▶ EAE Marketing Committee.
- ▶ EAE ETICS Forum.

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Certificate
of ordinary membership



We welcome

ASOCIATIA QETICS

Grupul Pentru Calitatea Sistemelor Termoizolante „ETICS”

as an ordinary member of the

**European Association for External Thermal
Insulation Composite Systems (EAE)**

Rotterdam, October 13th, 2016

Ruud van Eersel
President

Dominique Delassus
Vice President

Werther Colonna
Board Member Marketing Affairs

Zuzana Sternova
Board Member Budget Affairs

Dr. Clemens Hecht
Board Member Technical Affairs

Ralf Pasker
Managing Director

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6. Partnership

QETICS activity in:

- ▶ EAE
- ▶ Pro nZEB Cluster
- ▶ FPSC – Patronaj of the Building Construction Companies' Federation
- ▶ PSC – Patronaj of the Building Construction Companies
- ▶ ROMEPS – Romanian Association for EPS
- ▶ APIVMR – Asociatia Producatorilor si Importatorilor de Vata Minerala din Romania



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6. Partnership

QETICS activity in:



CLUSTER
pRO nZEB

► EAE

► Pro nZEB Cluster

► FPSC – Patronaj of the Building
Construction Companies' Federation

► PSC – Patronaj of the Building Construction
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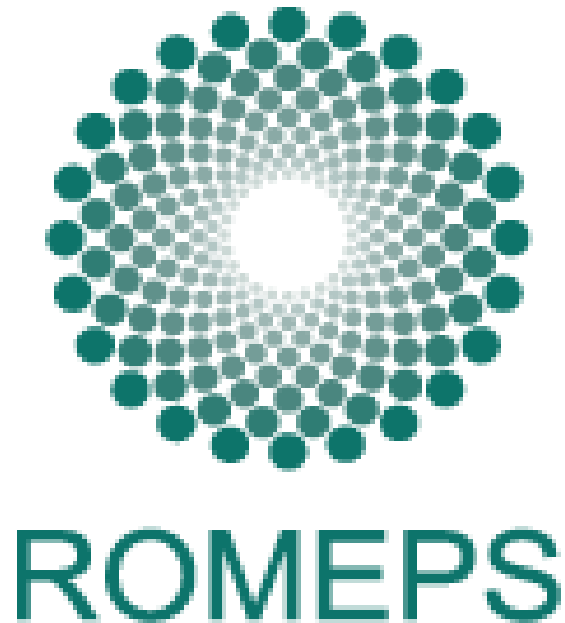
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APIVMR

Asociația producătorilor și importatorilor
de vată minerală din România

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PART TWO

ETICS SYSTEM'S QUALITY

ONE PRODUCT – MANY COMPONENTS

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Refurbished building of the
XIX Century



New building of the **XXI Century**



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Refurbished communist
building



Refurbished communist
building



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Refurbished communist
building



Refurbished communist
building



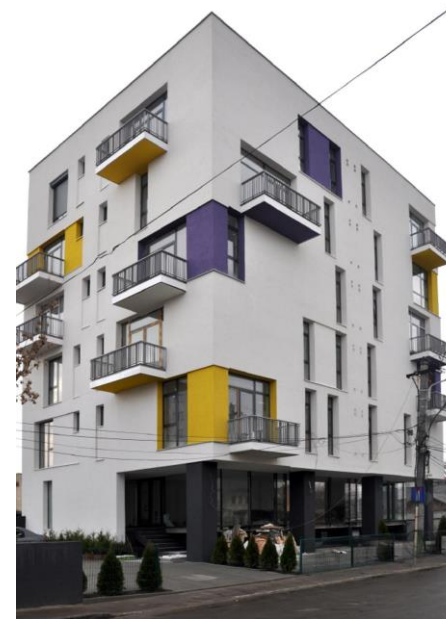
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New building 2000



New building 2000



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THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

New building 2000



New building 2000



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THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

New building 2000



New building 2000



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I. The quality situation in the market

1.1. QETICS and the market situation:

- ▶ Promoting the ETICS quality system – minimum one of the layers produced by the system owner.
- ▶ Rise in the market potential – joint projects.
- ▶ Improving the manpower knowledge – the main task.



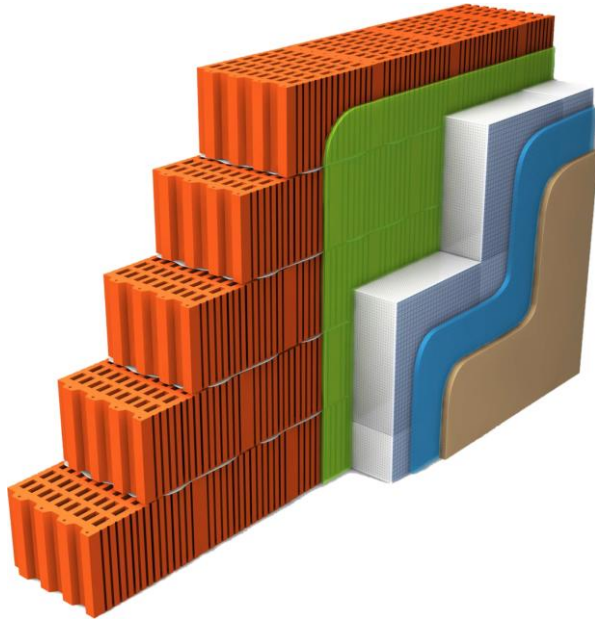
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I. The quality situation in the market

1.2. QETICS and the EN norms:

- ▶ **EN 13499 & EN 13500 voluntarily assumed.**
- ▶ **Harmonization problems.**
- ▶ **Building construction companies labour problems.**
- ▶ **State authorities for control and guiding in building construction.**



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I. The quality situation in the market

1.3. QETICS and the EPBD Directive:

- ▶ EPBD – Guidance for Public Officers in Romania and Bulgaria.
- ▶ Full Report nZEB Romania - iBRoad .
- ▶ Guide to EPBD Implementation EuroACE-2018.
- ▶ Integrated National Energy and Climate Change Plan for 2021÷2030 (NECP Romania).



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I. The quality situation in the market

1.4. QETICS and the EAD transition:

► **ETAG 004 – Transition to the new EAD ETICS (EAD 040083-00-0404):**

- **EAD 040089-00-0404 wooden stand .**
- **EAD 040287-00-0404 bricks' stand.**

► **EAD Plastic Anchors:**

- **EAD 330196-01-0604.**



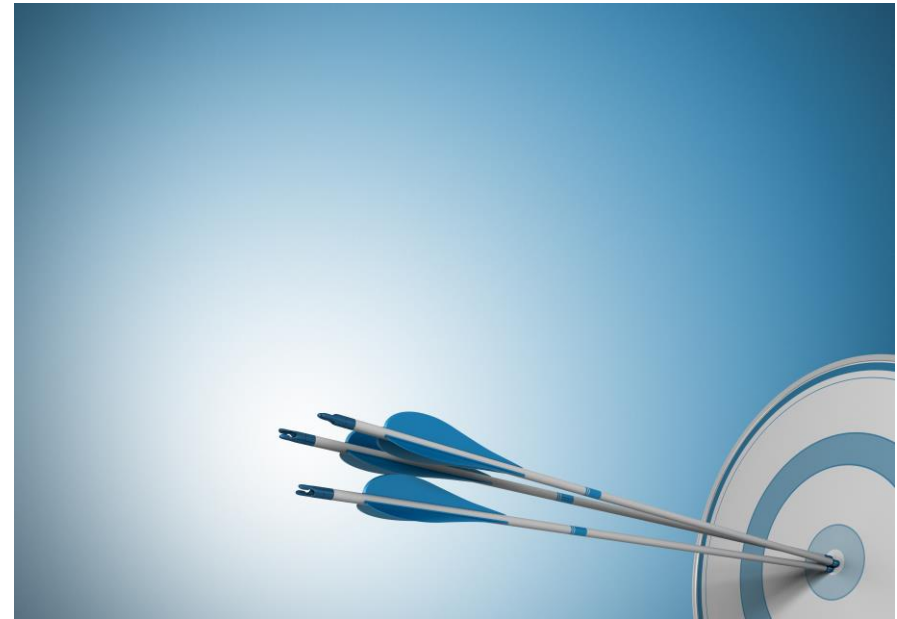
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I. The quality situation in the market

1.5. QETICS and the system certification "struggle":

- ▶ The constance of the product (layer) performances certification vs system certification.
- ▶ Some "strange" system certificates in the market.
- ▶ RENAR – The National Accreditation Body.



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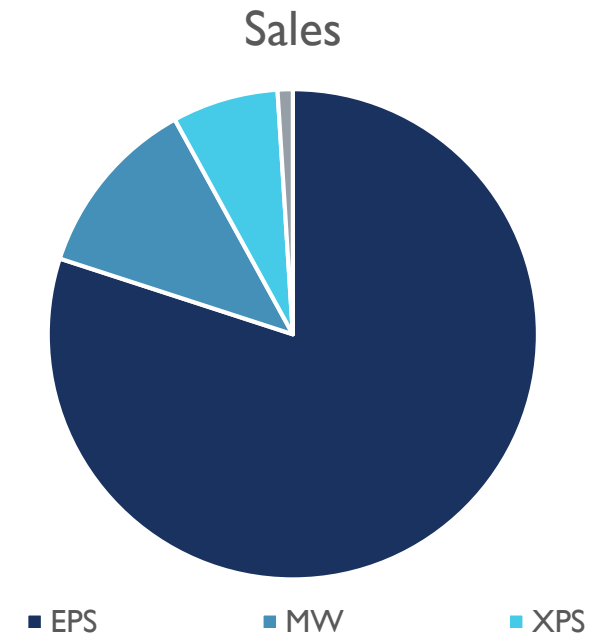
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I. The quality situation in the market

1.6. The market figure 2019:

- ▶ The market size: 27.5 mil sqm.
- ▶ The average insulation thickness is rising: 12.5 ÷ 13.5 ÷ 14.5 cm.
- ▶ The market share of insulation products:
 - EPS 80%
 - MW 14÷16%
 - XPS 3%
 - other products 1÷3%

The sales' situation in the market



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2. The quality situation in the sites

2.1. QETICS and the mounting of the system:

- ▶ The right way to mount a system using:
 - The ETICS Norms.
 - The right mounting details.
 - The project design details support.
- ▶ The certified ETICS system – one single product.



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2. The quality situation in the sites

2.1. QETICS and the mounting of the system:

- ▶ The right way to mount an EPS or a MW plate.
- ▶ The right mounting details.
- ▶ The QETICS guideline support.
- ▶ The project design details.



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2. The quality situation in the sites

2.2. QETICS and the mistakes of the mounting:

- ▶ No perimetral adhesive ribbon.
- ▶ No site surveillance.
- ▶ No training course.
- ▶ No rules for the system application.
- ▶ No quality.



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3. The quality situation and the certification aspects

3.1. QETICS aims:

Promoting the ETICS quality system – minimum one of the layers produced by the system owner.

- ▶ Site surveillance.
- ▶ Training course.

The ETICS quality



Anexa la CERTIFICATUL DE CONFORMITATE nr. 714, modificat în 14.11.2018

TERIA GAZ CONSTRUCT SRL

LISTA COMPOZII DE ÎNCHIRIERE TEHNICĂ LA EXTERIOR PE LAZĂ DE ÎNCHIRIERE SPAVIA SIA

CATEGORIE

POLIETILEN

POLIETILEN STIC-EP-EP-EN 13449-2-03-EN-02-01-01-PE 60

CONSOLIDAT

Pai de polietilenă expuse

EPB 10, EP10, EP30, Pai de polietilenă ADHESIT

EPB 10, EP10, EP30, Pai de polietilenă ADHESIT

EPB 10, EP10, EP30, Pai de polietilenă ADHESIT

EPB 10, EP10, EP30, Pai de polietilenă ADHESIT

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THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

The ETICS quality ???

Some "strange" system certificates in the market.

- ▶ Many product for one layer.
- ▶ Strange mix.

[illegible]

QETICS ROMANIA

THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

3. The quality situation and the certification aspects

3.2. QETICS and the market surveillance:

Some "strange" system certificates in the market.

► QETICS letter

► RENAR – The National Accreditation Body – answer

The QETICS letter

QETICS

To:

RENAR – The National Accreditation Body

We would like to draw your attention on the numerous thermo-insulation systems as declared ETICS on market with conformity certificates for mixtures of various products from numerous producers for a single kit (between 60 and 70 different products in a single thermo-insulation system kit).

All these certificates should comply with the provisions SR EN ISO/CEI 17067:2014, SR EN 13499:2004 and SR EN 13500:2004 (soon EN 17237 – ETICS systems), ETAG 004 at present, to be soon replaced by new EAD ETICS, HG 688/2017, of EU Regulation Norm No 305/2011 of the Commission with alterations of EU Delegated Norm No 568/2014 and No 574/2014 of the Commission, of EU Norm No 1062/2013 of the Commission as well as of the EAD Plastics Anchors – EAD 330196-01-0604 that replaced the 2017 former ETAG 014.

We would please check up whether the herewith attached certificates have the following documents:

- The written agreement duly signed and stamped, issued by each and every system element, producer addressed to the system manufacturer issued for each of the products enclosed in the certificates.
- The technical card issued by the system manufacturer addressed as each system element producer's demand (according to the provisions of EU Regulation Norm No 305/2011 of the Commission with subsequent alterations).
- The Initial System Tests (Fire proof, mechanic, water, fire reaction) for all possible system as a combination of the six elements (specific components) out of 60-70 products enclosed in the certificate No 724 and No 720 herewith attached.

We thank you on behalf of all QETICS members.

Sincerely yours,

Radu Grigorescu
Executive Director
QETICS

QETICS ROMANIA

THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

3. The quality situation and the certification aspects

3.2. QETICS and the market surveillance:

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► QETICS letter

► RENAR – The National Accreditation Body – answer

The RENAR answer

RENAR – The National Accreditation Body

To:

QETICS

Attn: Mr Radu Grigorescu – Executive Director QETICS

Re: Address No 107/15.03.2019

Dear Mr Executive Director

Further to your address No 107 of 15.03.2019 entered RENAR under No 115504 of 18.03.2019 we advise you the following:

We are pleased to know that QETICS which you manage aims to promote the quality of the ETICS systems as well as the gathering of the national thermal-insulations producers.

At present, as you know, the evaluation and control of the product performance constancy, according to the provisions of EU Regulation norm No 305/2011 can be carried out using a technical specification in accordance with either the harmonized standard or an European evaluation document.

In this particular case, the evaluation and verification body appointed and notified accordingly and designated to issue either a performance constancy certificate or a conformity certificate regarding the factory production control.

The standards SR EN 13499:2004 and SR EN 13500:2004 are neither harmonized nor mentioned in the Commission Communication when applying the EU Regulation norm No 305/2011 of the European Parliament and of the Council which established certain harmonized conditions for the commercialization of building products and the Norm abrogation No 89/106/CEE of the Council No 2018/C 092/06 of 09.03.2018.

The conformity certificates your address refers to certify the product conformity for building constructions with technical norm harmonized specification, i.e. SR EN 13499:2004 being issued by an evaluation organism accredited in accordance with a particular certification scheme i.e. No 2 which has taken over the elements of the "type 4" products' certification stipulated by SR EN ISO/CEI 17067:2014. Therefore, the product conformity certificate has been done according to the HG 668/2017 provisions. The certified products are accompanied when commercialized by a conformity declaration issued according to the standard series of provisions SR ISO/CEI 17050.

The SR EN 13499:2004 standard does not mentions provisions that:

- the thermo-insulation producer should have the written authorization duly signed and stamped by each and every system element producer and referred to the system manufacturer issued by each system element producer;

- there has to be a "technical index card" issued by the system manufacturer and addressed to as each element producer demand,

but only provisions that all the components of an ETICS system are designed only for the system and motivated by the system producer (Item 3 L.3. of SR EN 13499:2004).

In view of checking up the way the provisions of the SR EN 13499:2004 and SR EN 13500:2004 standards have been observed when issuing the conformity certificates RENAR will not mostly consider the planning of the thermo-insulating product domains for buildings – Composite ETICS System – at the first supervision evaluation carried on the certification organism which has issued the two conformity certificates.

Faithfully yours,

Alina Elena Taina

General Executive Director

QETICS ROMANIA

THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

3. The quality situation and the certification aspects

3.3. QETICS suggestion:

Organise a "round table" for the norm revision:

- ▶ State authorities (MDRAT, ISC, RENAR, City Hall).
- ▶ Associations (OAR, FPSC, AAECR).
- ▶ Universities (UAUIM, UTCB, UPB).
- ▶ Project Designing Companies.
- ▶ Building Material Producers.

A Guideline or a procedure certification suggestion

The ETICS system is **ONE PRODUCT**

- ▶ The ETICS quality system – minimum one of the layers produced by the system owner.
- ▶ The system owner and the name of the system product – on the label product for each layer.
- ▶ The certification for each layer.
- ▶ Technical sheet for each layer.
- ▶ The rules for the system application.
- ▶ The system product and each layer product warranty.

QETICS ROMANIA

THE GROUP FOR THE QUALITY OF THE THERMAL INSULATING SYSTEM ETICS

Thank you.

Radu Grigorescu

Executive Director QETICS Romania

NATIONAL ETICS FORUM

Bucharest, 19 September 2019

Ramada Parc Convention Centre

Mincu Hall