

29. – 30. August  
2019

# Nordiska Vattenskadesseminariet 2019



## ETA-Danmark A/S

- Subsidiary company of Dansk Standard
- Notified by The Danish Transport, Construction and Housing Authorities to issue European Technical Assessments (ETA) according to the Construction Product Regulation (CPR) (EU) 305/2011, assessed by DANAK.
- Notified by af The Danish Environmental Protection Agency to issue Environmental technology Verification (ETV), assessed by DANAK

**ETA-Danmark A/S is a member of:**



The European Organisation for Technical Assessment



The World Federation of Technical Assessment Organisations



The European Union of Agrément



# Environmental Technology Verification (ETV)

**You can obtain an ETV for your technology in the areas of:**

- Water treatment and monitoring
- Energy, including technologies for renewable energy and energy efficiency
- Materials, waste and resources, including waste handling and recycling.
- Agricultural technologies
- Air cleaning and monitoring
- Monitoring and cleaning of soil and groundwater
- Cleaner production and processes.



**National approvals ...**





## CE - Marking: License to sell

- CE-marking requires a harmonized European Standard (hEN) for the product.
- National building legislation the requirement



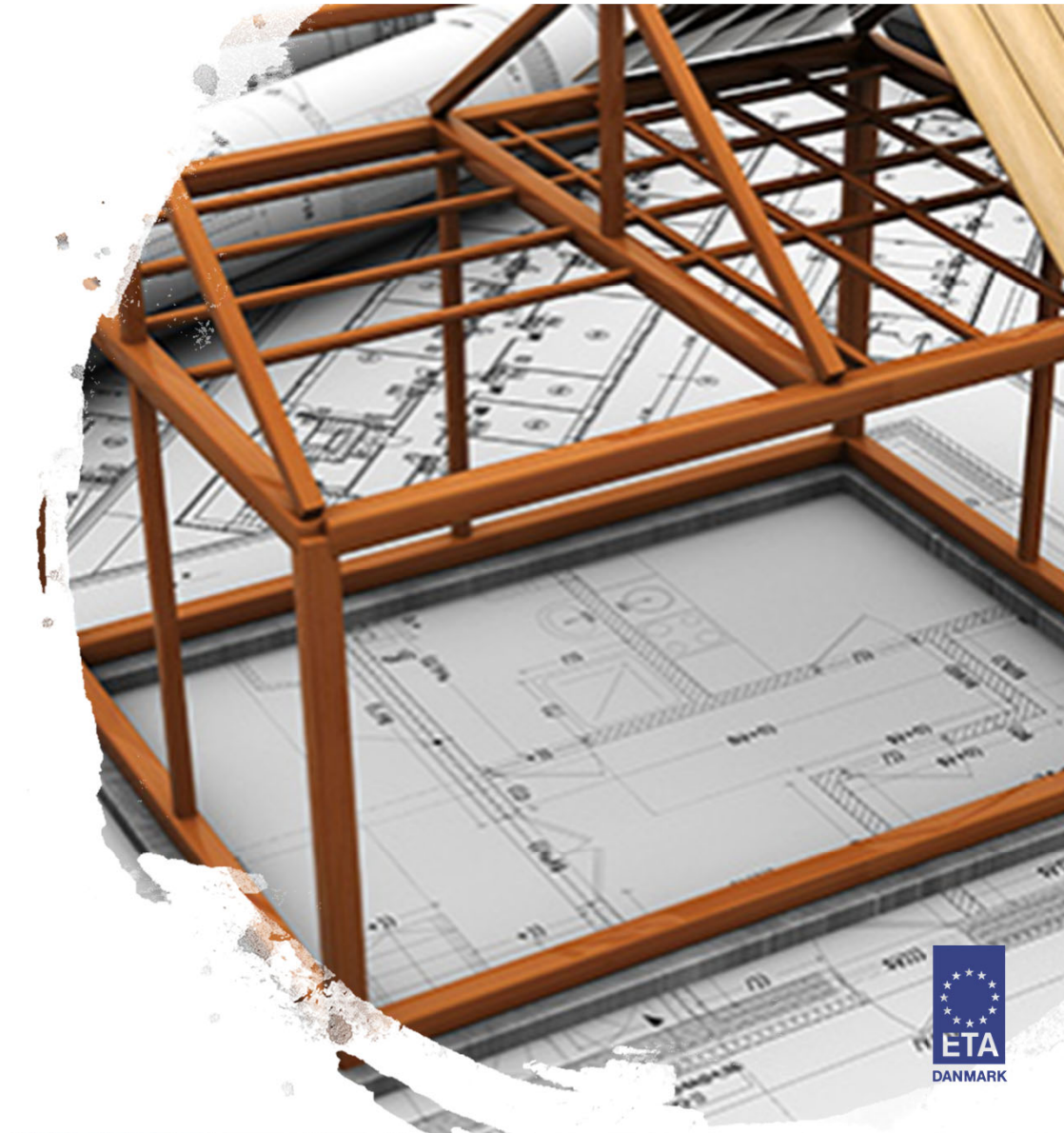
# Danish Legislation

Danish Building Act § 30 stk. 4:

“A fine is also penalized to anyone who produces or sells building materials which, according to the Building Legislation, cannot be used legally in the building in question.”

Danish Marketing Act §13:

“The trader must be able to document the accuracy of the facts” (of his products)



# National building legislation: License to use

§ 339

**Vådrum**

Vådrum, herunder baderum samt bryggers og WC rum med gulvafløb, skal opfylde følgende krav:

§ 339

- 1) Gulve og vægge skal udføres, så de kan modstå de fugtpåvirkninger og de mekaniske og kemiske påvirkninger, der normalt forekommer i vådrum.
- 2) Gulve og gulvbelægninger, herunder samlinger, tilslutninger, rørgennemføringer og lignende, skal være vandtætte.
- 3) I den vandbelastede del af vådrummet må der ikke udføres rørgennemføringer og lignende, skal være vandtætte.
- 4) I den vandbelastede del af rummet skal vægge og vægbeklædninger, herunder samlinger, tilslutninger, rørgennemføringer og lignende, være vandtætte.
- 5) Vand på gulvet skal afledes til gulvafløb.
- 6) Ved brug af skeletvægge samt gulv- og vægkonstruktioner, der indeholder træ eller andre organiske materialer, skal der anvendes et egnet vandtætningssystem.



# CE - Marking with an ETA

ETA is a voluntary scheme and applications can be made for all products not covered by harmonised standards.



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Authorised and notified according to Article 29 of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011



## European Technical Assessment ETA-12/0025 of 2019/04/10

### I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark



European Organisation for Technical Approvals  
Europäische Organisation für Technische Zulassungen  
Organisation Européenne pour l'Agrément Technique



European Organisation for Technical Approvals  
Europäische Organisation für Technische Zulassungen  
Organisation Européenne pour l'Agrément Technique

Established pursuant to Annex II of the Council Directive 89/106 of 21 December 1988 on the laws, regulations and administrative provisions of Member States relating to construction products (Construction Products Directive)

### ETAG 022

GUIDELINE FOR  
EUROPEAN TECHNICAL APPROVAL  
OF  
Watertight covering kits for wet room floors and or walls

ANNEX A WATER TIGHTNESS AROUND PENETRATIONS AND OTHER DETAILS IN  
WET ROOM FLOORS WITH FLEXIBLE SUBSTRATE  
Edition 2008-05-24

### ETAG 022

GUIDELINE FOR  
EUROPEAN TECHNICAL APPROVAL  
of

ring kits for wet room floors and or walls

Kits based on flexible sheets

Version November 2010

Technical Approval is established and published in accordance with Article 29 of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 on the harmonisation of technical specifications and standards in the field of construction products (Construction Products Regulation).

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of the



ETA  
DANMARK

## EAD conversion

ETAG 022, Part 1 → EAD 030352-00-0503 (incl. Annex A-H)

Liquid applied watertight covering kits for wet room floors and/or walls

ETAG 022, Part 2 → EAD 030436-00-05035

Watertight covering kits based on flexible sheets for wet room floors and or walls

ETAG 022, Part 3 → EAD 030437-00-0503 (incl. Annex I)

Watertight covering kits based on inherently watertight boards for wet room floors and or walls

[Link to EOTA – EAD's](#)

Official Journal  
of the European Union



## Only editorial changes ...

“Supplementary humidification of material/substrate around details considered vulnerable may be recorded with a moisture meter **preferably after opening the construction**”

C

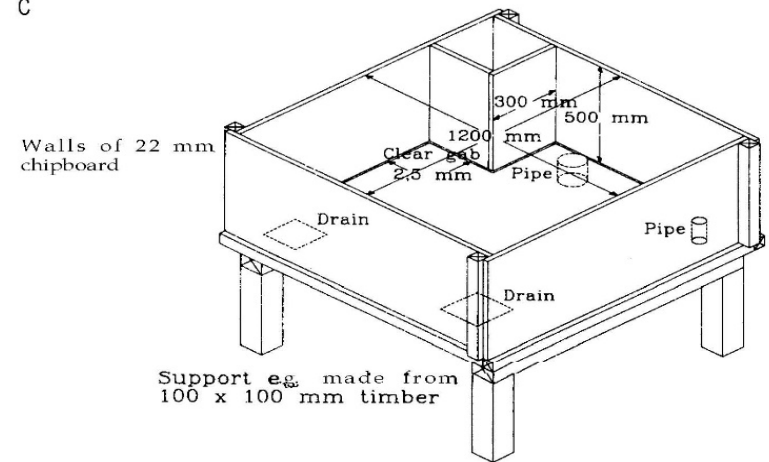


Fig. 1. Dimensions of the test floor.

ANNEX A – WATER TIGHTNESS AROUND PENETRATIONS AND OTHER DETAILS IN WET ROOM FLOORS WITH FLEXIBLE SUBSTRATE

# Essential Characteristics and Performance

ETAG 022:

Product characteristic	Option "No Performance Determined"	Method of verification and assessment	Expression of test result ( <i>value, class, NPD, criterion etc.</i> )
Watertightness around penetrations	No	2.4.4.6	Pass/fail Assessment category 1 or assessment category 2

EAD 030352-00-0503:

Essential characteristic	Assessment method	Type of expression of product performance ( <i>level, class, description</i> )
Watertightness around penetrations	2.2.9	Level



# Essential Characteristics and Performance



EAD 030352-00-0503:

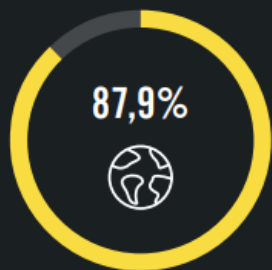
## **2.4.7.4 Applicability**

### **2.4.7.4.1 Method of verification**

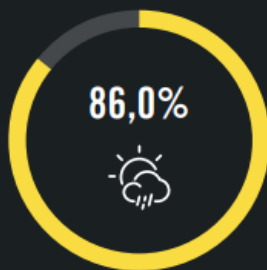
The applicability of the watertight covering kit is determined by a visual inspection, in connection with determining the thickness, see 2.4.7.3

### **2.4.7.4.2 Method of assessing and judging**

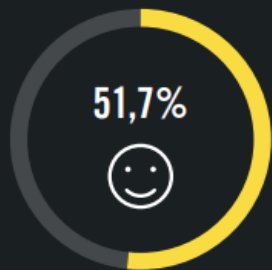
The approval body makes a declaration of the applicability of the kit.



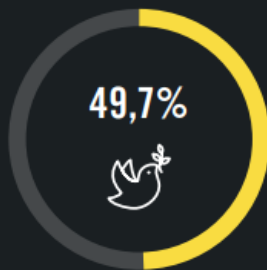
NATURRESSOURCER OG MILJØ



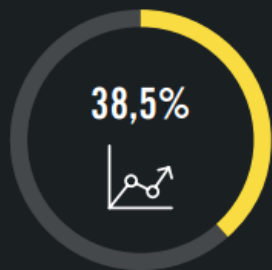
KLIMA



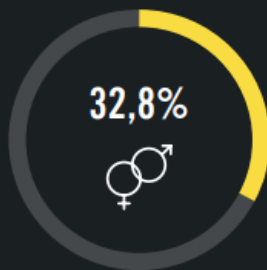
ARBEJDSFORHOLD



MENNESKERETTIGHEDER



ØKONOMISK LIGHED



LIGESTILLING

# Sustainability is all about...

Source: [Advice, Bæredygtighedsbarometer/2019](#)



## Basic Work Requirement 7 – Sustainable use of natural resources

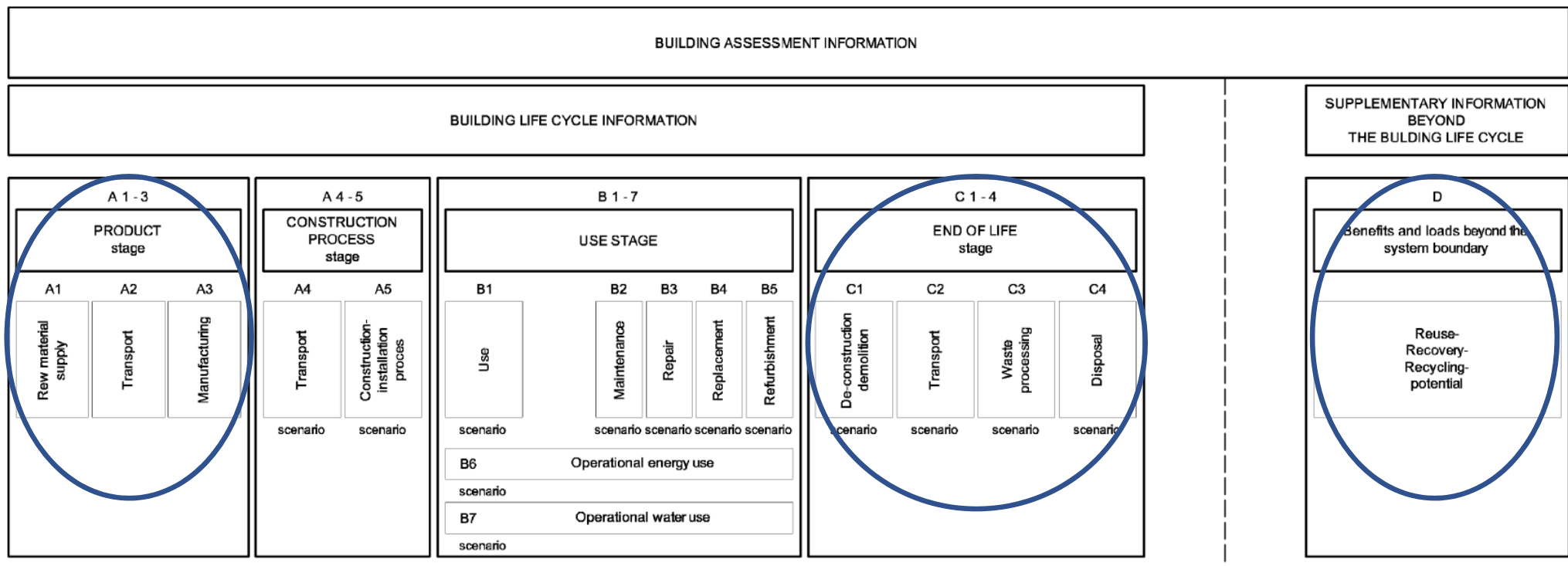
### **EU Commission's decision on implementing BWR 7:**

Performance must be declared based on:

- Full lifecycle of the product
- All indicators according to EN 15804 should be declared
- All indicators according to the modules A1, A2, A3, C and D in EN 15804 must be considered
- The modules A4 (transport) & A5 (installation) are optional
- Module B should not be included.

- implementing BWR 7 requires a revision of the EAD

# EN 15804 – Life Cycle Stages





# Timeline



A high-speed photograph of water splashing onto a blue surface, creating ripples and droplets. The background is a soft, out-of-focus blue.

# Thank you for listening

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