

ARGE EPD Project



Roll out plan and use of ARGE EPDs;
Developments regarding the Revision of
EN 15804 for EPDs

ARGE EPD roll-out – status and tasks ahead

Status EPD production and roll-out

associations participating

products covered

Availability of EPD

language versions

Customizations /sub-licensees

national annexes

description French annex, Dutch annex

Review of EN 15804

New indicators following PEF systems

New modules for LCA stages

Raw materials and energy recovery included

ILCD standard, new data bases

Required review of ARGE EPD

Recent comments on draft standard

Regarding BRCW N°7 in product standards

Discussion with commission services – adaption of ARGE EPD

Participating National Associations: 12



FMTI



VHS



MEZA



ZPOB



Fin. Committee



AFACE



UNIQ



SEM Group



FVSB



VSSB



ASSOFERMA



DHF

14 products finally covered by an ARGE EPD

- Window fittings
- Sliding door gear
- Single-axis hinges
- Shutter hardware devices
- Push button locks
- Panik exit devices
- Padlocks
- Locks
- Lock cylinders
- Letter boxes
- Glass door gear
- Electromechanical hardware
- Door closers
- Door and window handles

Availability of ARGE Core-EPD

Originally German and English language versions
 Versions published on IBU Webpage

ENVIRONMENTAL PRODUCT DECLARATION
 as per ISO 14025 and EN 15804

Owner of the Declaration	ARGE, European Federation of Associations of Lock and Builders Hardware Manufacturers
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-ARG-20100194-IBU1-EN
ECO EPD Ref. No.	ECO-00000403
Issue date	05.09.2016
Valid to	04.09.2021

Locks
 ARGE; European Federation of Associations of Lock and Builders Hardware Manufacturers

(This EPD is valid only for products supplied by an ARGE EPD licence holder)

www.ibu-epd.com / <https://epd-online.com>





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Publisher	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-ARG-20100193-IBU1-EN
ECO EPD Ref. No.	ECO-00000412
Issue date	14.09.2016
Valid to	13.09.2021

Door closers
 ARGE; European Federation of Associations of Lock and Builders Hardware Manufacturers

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Declaration number	EPD-ARG-20100194-IBU1-EN
ECO EPD Ref. No.	ECO-00000413
Issue date	14.09.2016
Valid to	13.09.2021

Window fittings
 ARGE; European Federation of Associations of Lock and Builders Hardware Manufacturers

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Availability of ARGE EPD – customizations and translations

Country	Association	Language	Number Trans.	Custom.
UK	DHF	Orig. English	14 EPD	76 EPD, 11 Comp.
DE	FVSB	German	14 EPD	52 EPD, 18 Comp.-
France	UNIQ	French	1 EPD (Locks), 14 Annexes	
Italy	ASSOFERMA	Italian	1 EPD (Handles)	14 EDS, 3 Comp.
Spain	AFACE	Spanish	None	
Sweden	SEM	Swedish	None	11 EPD; 6 Comp.
Finland	Finn. Comm.	Finnish	None	
Netherlands	VHS	Nederlands	None, 14 Annexes	
Austria	FMTI	German	14 EPD	
Switzerland	VSSB	German	14 EPD	
Czechia	MEZA	Czech	1 EPD (Handles)	4 MEZA EPD
Poland	ZPOB	Polish	None	

Roll-out process: Additional National Requirements – National Annexes

France: Additional statements regarding environmental issues required

Status:

- Annex verified by IBU verifier (ARGE's task)
- Content still under discussion between UNIQ and INIÈS 🧐
- UNIQ tries to come to a valid solution for France without involvement of INIÈS 👍



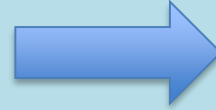
Roll-out process: Additional National Requirements – National Annexes

NL: Adaption of the IBU data to the Dutch Environmental Data Base required

Status:

- Data to be adapted (VHS task), done 👍
- Data to be introduced to Dutch data base (VHS task), done 👍
- Rule for companies not being member of VHS agreed between ARGE and VHS! 👍

Tasks coming up next



Review EN 15804: prEN15804+A2

TC350 „Sustainability of Construction Works“ got a revised mandate from the commission:



EN 15804 for „Environmental product declarations“ is since the beginning of 2018 in a wide revision process by CENTC350/WG3

Many new indicators will be added. Some of the changes are „politically“ driven. The EPD's must include some principles from the „PEF“ procedure. 😱

Review EN 15804: prEN15804+A2 - New modules for Lifecyclestages

Requirement in the mandate: “The use of modules C (Deconstruction and Disposal) and D (potential use and burdens of recycling and energy recovery) shall always be included in product standards as baseline option”.

This is not negotiable. As all parties involved are well aware, this was one of the main reasons why the Commission services involved, since the CEN publication of EN 15804 in 2012, declared that the standard was not in line with our needs and that it shall be modified as soon as possible.

Cit. Frank Werner

Review EN 15804: prEN15804+A2; - new indicators follow PEF system

- The existing indicators and methods of impact assessment (potential greenhouse gas, potential acidification, etc.) must be adapted to the relevant indicators and methods of the impact assessment in the way they are used by the European Commission for the “Product Environmental Footprint” (PEF). This means that for individual indicators the units and the underlying methods of evaluation will change and partly and newly even a number of indicators will be used for previously one environmental impact;

Review EN 15804: prEN15804+A2;

- ILCD standard, new data bases necessary

- For the balancing, now, only "ILCD compliant" data sets and nomenclatures may be used, which makes it impossible to use the currently used data bases, such as ecoinvent;
- Besides the textual description, the modelling of the "End-of-life" must also be expressed in equations – which in practice is not very helpful and, moreover, hardly relevant;
- It is intended to lay down stricter requirements for the quality of data.

Review EN 15804: prEN15804+A2;

- **future requirements for ARGE EPDs**
- What does this mean now for the EPDs by ARGE? Given the current draft, the EPDs by ARGE would have to be revised in the following items:
- The life cycle assessment must be re-calculated with “ILCD” compliant data sets and assessment methods; for the time being this means that the data base ecoinvent 3, which was used for the ARGE EPDs, can no longer be used and the life cycle assessment has to be re-calculated from scratch with another data base. 😡

Review EN 15804: prEN15804+A2;

- **future requirements for ARGE EPDs**
 - All EPDs published in Europe must be revised, a comparison over the time is no longer possible due to the evaluation methods used have changed;
 - All systems of “green building labels” must adapt their indicators, benchmarks etc.;
 - An EPD according to EN 15804+A2 is no longer compatible with the requirements of ISO 21930, which is the ISO-Version of EN 15804, which means that the EPDs according to EN 15804+A2 cannot be used outside Europe – which constitutes a trade barrier. 🙄

Strong comments for negative voting at this time

Finland:

- GWPbiogenic not in line with PEFCR, permanent storage for biogenic carbon over 100 years with CF -1 should be included
- Declaration of additional indicators should be voluntary
- Declaration of Module C1-C4 should be voluntary

Strong comments for negative voting at this time

France:

- GWPbiogenic not in line with ISO 21930,
- Modules B1-B7 should be mandatory;
- ILCD format and nomenclature should not be mandatory;

Portugal:

- Declaration of Module C1-C4 and D should be voluntary
- Declaration of additional indicators should be voluntary

Strong comments for negative voting at this time

Spain:

- To secure Formal Vote declaration of additional indicators should be voluntary;

Sweden:

- Unclear: GWPbiogenic not in line with PEFCR
- Unclear: additional toxicity indicators
- Declaration of Modules C1-C4 and D should be voluntary for a declared unit

Strong comments for negative voting at this time

Switzerland:

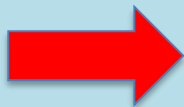
- GWPbiogenic not in line with ISO 21930
- No ILCD format and nomenclature should be used;
- Declaration of Module C1-C4 and D should be voluntary;
- Declaration of additional indicators should be voluntary;

Strong comments for negative voting at this time

- **UK, Germany:**
- named issues to be solved for their potential positive final vote:
- GWPbiogenic not in line with ISO 21930
- Declaration of additional indicators should be voluntary

Review EN 15804: prEN15804+A2; timeschedule expected

- Discussion of comments expected until end 2018
- Finale timeschedule not clear yet; revised standard possibly until mid 2019.
- ARGE is now a member of TC/350/WG3;



will try to keep as much of the content of our certified EPD as possible!

Good News:

ARGE industry representing EPD's valid until autumn 2021!

Regarding BRCW N°7, „Sustainability“ in product standards

General statements:

- Discussion with EC officials about possible future changes of mandate M 101 „doors, windows and construction hardware“ regarding the introduction of BRCW 7 „sustainable use of natural resources“ is ongoing with ARGE.
- Tapani Mikkeli from DG GROW stated, that the introduction of BRCW 7 is mandatory and „not negotiable“.

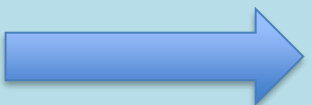
Regarding BRCW N°7, „Sustainability“ in product standards

- DG GROW is critical about the „private system“ of EPD’s.
- A 1 to 1 transfer of LCA data from ARGE EPD’s seems to be unrealistic.
- Instead, environmental characteristics of products should be introduced according to the CPR, resp. the standardization system.
- ARGE claimed that efforts for production of EPD’s must not become all for nothing in future.



ARGE’s strategy will be to keep as much of the EPD data in a product standard as possible!

Results of discussion expected on conference 2019



See you all next year!!

Q & A

Thank you !

Lifecycle stages acc. EN15804

Product stage			Construction stage		Use stage							End of life stage			
raw material supply	transport	manufacturing	transport	construction/installation process	use	maintenance incl transport	repair incl transport	replacement incl transport	refurbishment incl transport	operational energy use	operational water use	de-construction demolition	transport	re-use recycling	final disposal
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4
						B2.1									
						B2.2									
						B2.3									

Fig 2 Information modules constituting the life cycle stages of a product.