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# EPD

## General information about ITB EPD program

ITB EPD Program (established in 2004) provides the procedure for Environmental Product Declarations Type III (EPD) development (for construction products) in accordance to the requirements of PN EN ISO14025:2010 and PN-EN 15804:2013+A1. Every year program is updated to fit the new environmental standards and regulations.



Every year several new ITB EPDs support sustainable construction market. ITB EPD is a technical information that provides quantifiable environmental data for construction products with a specified technical function on the building level. Standard PN-EN 15804 defines the core rules for the creation of EPDs for construction products and materials. EPD enables to analyze the life cycle of products with regard to their environmental impacts and to display these analyses in a transparent and standardized way. ITB EPD has the highest quality proved by third party verification in accordance to ISO14025:2010 requirements.

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ITB by this activity supports a formal process of EPD implementation on the Polish market and support construction industry in developing a strategy and accompany on the way to a verified and sustainable building products.

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EPD Program is voluntary and cover all construction products as it is defined in Annex IV of the European Construction Products Regulation (No 305/2011, CPR) and open to all interested construction product manufacturers.

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ITB cooperates with other EPD program operators via ECO-PLATFORM, <http://www.eco-platform.org/>) to coordinate efforts to assist industry sectors while reducing verification effort in different countries. ITB shall accept the core EPD based on ECO requirements.

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For a detailed ITB EPD information about program procedures and related documents please visit EPD download section.

## EPD Download

In this section for the transparency reasons all EPD ITB program documents are publicly available. ITB EPD documentation supplied, generated and used as part of the program procedure and are managed in accordance with the ITB's data quality management system.

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external verifiers requirements (ITB)

pobierz plik pdf 78.7 kB

Sustainable Construction Services by ITB

pobierz plik pdf 154.1 kB

LCI Questionnaire general for EPD (ITB)

pobierz plik pdf 324.45 kB

LCA modules and indicators (ITB)

pobierz plik pdf 91.99 kB

PD verification form (ITB)

pobierz plik pdf 153.75 kB

EPD program procedure (ITB)

pobierz plik pdf 226.43 kB

EPD GENERAL PCR v1.4 PN-EN 15804+A1:2014-04 based (ITB)

pobierz plik pdf 144.65 kB

EPD application form (ITB)

pobierz plik pdf 103.38 kB

## ITB EPD papers

["Wpływ rodzaju tynku na charakterystykę środowiskową systemu zewnętrznej izolacji](#)

## [termicznej"](#)

Michałowski, B.; Marcinek, M.; Tomaszewska, J.; Czernik, S.; Piasecki, M.; Geryło, R.; Michalak, *Buildings* **2020**, *10*, 47. (dostęp otwarty)

**"Ekologiczny, czyli jaki? Zharmonizowane zasady oceny środowiskowej wyrobów budowlanych"**, dr inż. M. Piasecki (ITB), [Builder 2/2014 \(dostęp płatny\)](#)

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**"Ocena właściwości środowiskowych wyrobów jako element oceny projektowanego budynku"**, dr inż. M. Piasecki (ITB), [Rynek Instalacyjny 7-8/2014 \(dostęp płatny\)](#)

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**"Added value of the European Core EPD"**, dr inż. M. Piasecki (ITB), World SB14 Barcelona Conference Proceedings

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## **ITB EPDs**

[ITB-EPD Environmental Product Declarations](#)

[Metoda ITB Oceny Środowiskowej Budynku](#)

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The manufacturer is EPD owner and has liability and responsibility for information declared in EPD.

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**All rights to the EPD documents are reserved to their respective owners.**

- [Extral Aluminium profiles](#)
- [MDD- conference tables](#)
- [MDD- office desks](#)
- [Ferrum- SAWH, SAWL and HFW steel pipes](#)
- [Ferrum - cold formed welded hollow sections from non-alloy and fine grain structural steel](#)
- [Bekaert- Dramix -steel fibres for concrete reinforcement](#)
- [Pekabex Hollow cores](#)
- [Pekabex Stairs, balconies and docks](#)
- [Pekabex Prefabricated prestressed elements](#)
- [Prefabricated Reinforced elements](#)
- [Pekabex Prefabricated structures single-, double- and triple-layered walls](#)
- [Pekabex Prefabricated filigree slabs](#)
- [TOM 2: Reinforcing steel](#)
- [Mercor S.A. MCR PROLIGHT and ULTRA THERM products](#)
- [BAUMIT Bulgaria EOOD: BAUMIT Pro External Thermal Insulation Composite](#)

## System (ETICS)

- Górstal: Sandwich Panels with PIR Core
- Górstal: Sandwich Panels with Mineral Wool Core
- BAUMIT Bulgaria EOOD: Baumacol Basic, FlexUni and FlexMarmor Medio Tile Adhesives
- BAUMIT Bulgaria EOOD: Solido E 160 and Solido E 225 Cement Self-Levelling Screeds
- BAUMIT Bulgaria EOOD: Alpha 2000 and Nivello Quattro Calcium-Sulphate Self-Levelling Screeds
- BAUMIT Bulgaria EOOD: MPI 25, Primo 2 and KlimaWhite Lime-cement plasters
- BAUMIT Bulgaria EOOD: Ratio 1000 and Ratio 1000L Gypsum plasters
- BAUMIT Bulgaria EOOD: MM 50 and PlanoFix Masonry Mortars
- Havwoods limited: 3-layer wooden floorboards 1-strip and 3-strip PurePlank
- PAGED softwood plywood produced in Pisz and Morąg
- PAGED hardwood plywood produced in Pisz and Morąg
- PAGED hardwood film-faced plywood produced in Pisz and Morąg
- BEKAERT - HDPE sheated stay cable strands
- Balexmetal sandwich panels with polyurethane foam core
- Balexmetal sandwich panels with mineral wool core
- Minova SDA system for self-drilling micropiles, soil nails & rock bolts
- ArcelorMittal Construcáo Portugal - Corrugated steel profile sheets
- Stofix - the Stofix brick cladding system
- PSPS- płyty styropianowe EPS stosowane w budownictwie
- Glass system - GSW Office systems- aluminium profiles - profile aluminiowe
- Buildau - wooden and wooden-aluminium singleframe windows and doors
- thyssenkrupp- reinforcing steel- stal zbrojeniowa
- Pfeifer -belki hybrydowe - Pfeifer Hybridbeam
- ArcelorMittal Construcáo Portugal - HAIRISOL® Double skin steel faced sandwich panels with polyurethane / polyisocyanurate (PUR/ PIR) core
- Nature Impact - Green Roof Standard 60/25
- Pekabex Bet - Prefabrykowane elementy sprężone
- Pekabex Bet - Prefabrykowane elementy zbrojone
- Pekabex Bet - Konstrukcje prefabrykowane: ściana pojedyncza, ściana z cegieł, ściana warstwowa, ściana izolowana
- Pekabex Bet - Prefabrykowane płyty filigranowe
- GÓR-STAL - panele izolacyjne thermPIR
- ViaCon - Wyroby stalowe
- Nowy Styl - Krzesła stadionowe: Abacus, Omega, Sigma
- Nowy Styl - Siedziska miękkie: Tepee, Play & work
- Nowy Styl - Krzesła biurowe Xilium
- Nowy Styl - Krzesła audytoryjne Tiago
- Nowy Styl - Krzesła obrotowe: XENIUM
- Nowy Styl - Krzesła: Scudo
- Nowy Styl - Biurka i Stoły: Convenio, Xio
- Nowy Styl - Krzesła: AXO, CADEIRA, CAFE, LEVITATE, POLYFOLD, WING II
- Nowy Styl - Meble do przechowywania: Easy space, Play&Work, Levitate
- Nowy Styl - Krzesła obrotowe: 4ME, SO-ONE, Viden
- Nowy Styl - Biurka i Stoły: Easy space, CS5040, Emodel, Play&Work, Levitate

- [STAL-SERVICE - wyroby stalowe do zbrojenia betonu](#)
- [ADO- podłogi z PCV](#)
- [Formatt- płyty gipsowe Technogips Pro](#)
- [Neoprofil - galwanizowane profile stalowe](#)
- [Progress - siatki i kratki stalowe](#)
- [PROBET-DASAG - płytki tarasowe i chodnikowe z betonu](#)
- [SBN RUNOWO - stalowe zbrojenia do betonu](#)
- [ADOPEN - systemy profili okiennych](#)
- [SPC polskie cementy CEM I - CEM V](#)
- [ARPANEL płyty warstwowe z rdzeniem z wełny mineralnej](#)
- [ARPANEL płyty warstwowe z rdzeniem PIR/PUR](#)
- [Porta\\_drzwi wewnętrzne](#)
- [Porta\\_drzwi zewnętrzne](#)
- [Etex\\_płyty gipsowo-kartonowe NIDA](#)
- [POZ BRUK dekoracyjne panele wykończeniowe SCALAMID](#)
- [Selena Refleksyjna wodoszczelna powłoka dachowa COOL-R](#)
- [Selena\\_Membrany bitumiczne TACK-R, COOL-R, SELENA MOST ROAD-R](#)
- [Atlas\\_system izolacji termicznej ścian zew. budynku ETICS Roker](#)
- [Atlas\\_system izolacji termicznej ścian zew. budynku ETICS Plus](#)
- [Atlas\\_system izolacji termicznej ścian zew. budynku ETICS](#)
- [Omis\\_Steel structures](#)
- [Pruszyński\\_ROOFS and WALLS steel tiles, panel roof tiles, panel with standing seam, trapezoidal sheets and cassettes](#)
- [Pruszyński\\_Sandwich panels PIRTECH](#)
- [Pruszyński\\_Sandwich panels PWS-W, PWS-W "EKO" and PWS-WA](#)
- [Promostal\\_Steel structures](#)
- [Aluprof\\_Window and door system](#)
- [Aluprof\\_Facade systems](#)
- [Dolina Nidy\\_Construction gypsum, Synthetic gypsum and Anhydrite](#)
- [Dolina Nidy\\_Gypsum plasters](#)
- [Fakro\\_Wooden roof widnows](#)
- [Armacell\\_Tubolit DG Plus](#)
- [Alchemia Walcownia Rur Batory](#)
- [ArcelorMittal Construction\\_Double skin steel faced sandwich panels](#)
- [EKOTECH Inżynieria Popiołów\\_TEFRA15](#)
- [EKOTECH Inżynieria Popiołów\\_TEFRA25](#)
- [Euroglas\\_DURACLEAR](#)
- [EUROGLAS\\_EUROFLOAT](#)
- [ThyssenKrup Energostal Sosnowiec](#)
- [ThyssenKrup Energostal Włocławek](#)
- [URSA\\_Glasswool rolls](#)
- [URSA\\_Glasswool slabs](#)
- [HENKEL\\_CLASSIC\\_EPS](#)
- [HENKEL\\_IMPACTUM](#)
- [HENKEL\\_POPULAR](#)
- [HENKEL\\_PREMIUM](#)
- [HENKEL\\_UNIVERSAL\\_EPS](#)
- [HENKEL\\_UNIVERSAL\\_MW](#)
- [HENKEL\\_UNIVERSAL\\_XPS](#)
- [HENKEL\\_VISAGE](#)

- [HENKEL-WOOL\\_PREMIUM](#)
- [WEBER\\_EPD\\_65-17](#)
- [SAINT-GOBAIN ISOVER POLSKA\\_WELNA SZKLANA](#)
- [SAINT-GOBAIN ISOVER POLSKA\\_WELNA SKALNA](#)
- [ArcelorMittal Syców - Steel fibres for concrete reinforcement](#)
- [BARLINEK - 3-LAYER WOODEN FLOORBOARDS](#)
- [Bolix - Soltherm W](#)
- [Bolix - Soltherm PDQ](#)
- [Bolix - Soltherm P](#)
- [Bolix - Soltherm HD](#)
- [EKOply PLASTINVEST](#)
- [ROCKWOOL - Stone Wool Thermal Insulation for buildings produced for Polish market](#)
- [ROCKWOOL - Stone Wool Thermal Insulation for buildings produced for BALTIC market](#)
- [ROCKWOOL - Stone Wool Thermal Insulation for buildings produced for Czech market](#)
- [ROCKWOOL - Stone Wool Thermal Insulation for buildings produced for Hungarian market](#)
- [BOLIX IZO-STROP - MINERAL WOOL BASED - THERMAL INSULATION COMPOSITE SYSTEM FOR CEILINGS](#)
- [BOLIX S.A.](#)
- [BOLIX W - Mineral wool thermal insulation composite system](#)
- [BOLIX S.A.](#)
- [RIGIPS systems with gypsum plasterboards RIGIPS PRO and RIGIPS 4PRO™ lightweight wall partitions, shaft walls, walls lining,suspended ceilings, ceilings lining, attics lining](#)
- [Saint-Gobain Construction Products Polska SP. z o. o. - Rigips](#)
- [Natural gypsum stone, anhydrite and Stucco gypsum \(dry powder products\)](#)
- [Saint-Gobain Construction Products Polska SP. z o. o. - Rigips](#)
- [Gypsum ceiling tile for suspended ceilings Casoprano CASOBIANCA, CASOSTAR, CASOROC](#)
- [Saint-Gobain Construction Products Polska SP. z o. o. - Rigips](#)
- [Gypsum plasterboard RIGIPS PRO and RIGIPS 4PRO](#)
- [Saint-Gobain Construction Products Polska SP. z o. o. - Rigips](#)
- [Gypsum plasterboard RIGIPS PRO and RIGIPS 4PRO \(second version\)](#)
- [Saint-Gobain Construction Products Polska SP. z o. o. - Rigips](#)
- [Gypsum block - Rigiroc™](#)
- [Saint-Gobain Construction Products Polska SP. z o. o. - Rigips](#)
- [ATLAS ETICS EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS WITH MIX-RENDERS](#)
- [ATLAS spółka z o.o.](#)
- [ATLAS ETICS EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS WITH SILICATE RENDERS](#)
- [ATLAS spółka z o.o.](#)
- [ATLAS ETICS EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS WITH ACRYLIC RENDERS](#)
- [ATLAS spółka z o.o.](#)
- [ATLAS ETICS EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS WITH MINERAL RENDERS](#)

- [ATLAS spółka z o.o.](#)
- [Natural and syntetic gypsum \(FGD\) and anhydrite binders gypsum \(dry powder products\)](#)
- [Dolina Nidy](#)
- [Gypsum plasters ALFA, BETA, GAMMA, ZETA, SPRINT, TEMPO](#)
- [Dolina Nidy](#)
- [ATLAS PRIMERS AND FACADE PAINTS](#)
- [ATLAS spółka z o.o.](#)
- [ATLAS THIN-COAT RENDERS BASED ON ORGANIC BINDERS](#)
- [ATLAS spółka z o.o.](#)
- [ATLAS MINERAL THIN-COAT RENDERS](#)
- [ATLAS spółka z o.o.](#)
- [ATLAS CEMENTITIOUS ADHESIVES FOR EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS](#)
- [ATLAS spółka z o.o](#)
- [BOLIX EPS-BASED - EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM \(ETICS\)](#)
- [BOLIX S.A.](#)
- [DACHÓWKA CEMENTOWA PROFIL EXTRA](#)
- [Euronit Sp. z o.o., Zakład Produkcyjny Chojnice](#)
- [DACHÓWKA CEMENTOWA PROFIL S](#)
- [Euronit Sp. z o.o., Zakład Produkcyjny Chojnice](#)
- [WEŁNA MINERALNA SZKLANA \(Zakład Gliwice\)](#)
- [SAINT-GOBAIN ISOVER POLSKA Sp. z o.o](#)
- [WEŁNA MINERALNA SKALNA \(Zakład Gliwice\)](#)
- [SAINT-GOBAIN ISOVER POLSKA Sp. z o.o](#)
- [Insulation material Classic 039 ECOSE® Technology](#)
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- [Concrete and reinforced concrete prefabricates](#)
- [Przedsiębiorstwo Budowlano-Montażowe Scanbet Sp. z o.o.](#)
- [Stowarzyszenie Producentów Cementu\\_cementy CEM I, CEM II i CEM III produkowane w Polsce](#)

ITB-EPD\_Dolina Nidy\_083-2019

pobierz plik pdf 1.23 MB

ITB-EPD\_Dolina Nidy\_084-2019

pobierz plik pdf 683.75 kB

ITB-EPD\_Aluprof\_087-2019

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ITB-EPD\_Aluprof\_088-2019

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## **EPD FAQ**

This page contains answers to commonly asked questions about LCA, EPD and ITB program.

### **Questions:**

[What is EPD?](#)

[What is PN EN 15804 standard?](#)

[Why to have EPD?](#)

[What products can have EPD?](#)

[How many producers have EPD in Poland?](#)

[Who is responsible for managing the national EPD Program for construction products?](#)

[Is ITB's Program limited to construction products and materials in Poland?](#)

[Does ITB collaborate with other program operators?](#)

[Does ITB charge a fee to develop, review, and publish a PCR?](#)

[How are PCRs developed in ITB?](#)

[What happens if there is existing PCR published by another program operator?](#)

[Does ITB charge a fee verifying/accepting LCA/EPD of other European EPD operator?](#)

[Does ITB charge a fee for verifying LCA/EPDs?](#)

[How long EPD is valid?](#)

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[Interested in EPD? What to do?](#)

[What about confidentiality of the producer data?](#)

[Interested in EPD? Need a contact or workshop?](#)

[Any other questions?](#)

### **Answers:**

#### **What is EPD?**

EPD (Environmental Product Declaration, type III) provides quantifiable environmental data to



compare products that fulfill the same function. In order to create comparable EPDs, they must follow the same methodological rules (PN EN 15804) and guidelines called PCRs.

### **What is PN EN 15804 standard?**

Standard PN-EN 15804 provides the core rules for the creation of Environmental Product Declarations (EPD) for building products and materials. ITB actively participated to the CEN TC 350 work (as a mirror group KT 307 of PKN) and translated this standard to polish language.

### **Why to have EPD?**

It is one of the most recognizable ways to communicate product's environmental performance. In the future this environmental information will be a part of the product performance declaration based on Reg. 305/11 (CPR-Construction Product Regulation).

### **What products can have EPD?**

All construction products defined on the CPR basis.

### **How many producers have EPD in Poland?**

ITB registered 11 EPDs and has new active EPD projects.

### **Who is responsible for managing the national EPD Program for construction products?**

ITB is responsible for the national EPD Program, its scope and its procedures, including review, verification process and maintenance.

### **Is ITB's Program limited to construction products and materials in Poland?**

The scope of EPD Program is primarily Poland btw ITB can also create EPDs for other EU-28 countries.

### **Does ITB collaborate with other program operators?**

Yes, ITB works with other program operators (via ECO-PLATFORM, <http://www.eco-platform.org/>) to coordinate efforts to assist industry sectors while reducing duplication of effort.

### **Does ITB charge a fee to develop, review, and publish a PCR?**

No, ITB does not charge any fees to develop, review, or publish PCR (for new product groups).

### **How are PCRs developed in ITB?**

PCRs are developed through Technical Committee (TC). PCRs are directly based on PN EN 15804.

## **What happens if there is existing PCR published by another program operator?**

ITB staff will research all relevant PCRs from other program operators before developing a PCR. Any existing, relevant PCR will be reviewed. If the existing PCR is acceptable then ITB will use that PCR for verifying EPDs. If the existing PCR is not acceptable then the TC will provide a rationale for why it is not acceptable in the new PCR.

## **Does ITB charge a fee verifying/accepting LCA/EPD of other European EPD operator?**

This process is under discussion between ECO Platform members. ITB believes in the final recognition btw basic verification and translation will be required.

## **Does ITB charge a fee for verifying LCA/EPDs?**

Yes, ITB charges a fee to verify a manufacturer's EPD. For fee information please contact Michał Piasecki [m.piasecki@itb.pl](mailto:m.piasecki@itb.pl)

## **How long EPD is valid?**

5 years.

## **How much does EPD cost?**

It depends on how complex is production process. A typical project cost is 7000-8000EU.

## **How long it will take to obtain EPD?**

The duration of the projects vary depending on process complexity, the number of sub-products, number of sites and input data involved. A typical project time is 3 months.

## **Interested in EPD? What to do?**

If producer is interested in EPD for his product then have to fill in the Contact Form (on page), which can be delivered also after contact with [fizyka@itb.pl](mailto:fizyka@itb.pl) or Michał Piasecki [m.piasecki@itb.pl](mailto:m.piasecki@itb.pl). This will allow ITB to issue a formal EPD time and cost project proposal. On acceptance of the proposal of the quoted cost producer can be asked to sign agreement and then submit a more detailed LCI Data (special questionnaire) that will allow ITB to complete the LCA and further verification process

During the collecting inventory data process ITB will carry out the quality data audit to manufacturing site.

After successful process the report will be issued with EPD certificate signed by ITB director. At that point producer will then be permitted to use the ITB-EPD declaration in his commercial technical or promotional material. The certificate may be listed (on your request) on ITB web page.

## **What about confidentiality of the producer data?**

LCA/EPD process is covered by confidentiality terms in agreement and the information producer provide in relation to the project is treated as confidential.

### **Interested in EPD? Need a contact or workshop?**

Please contact us. We are going to organize a workshop to answer all your questions.

### **Any other questions?**

Please contact [energia@itb.pl](mailto:energia@itb.pl)

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