|  |  |  |
| --- | --- | --- |
|  | DOI: 10.17512/bozpe.20xx.xx.xx  Construction of optimized energy potential  Budownictwo o zoptymalizowanym potencjale energetycznym  ISSN 2299-8535 e-ISSN 2544-963X |  |

# Title of the article (Times New Roman 14 pt, bold, alignment: left, spacing: before 24 pt, after 12 pt)

Name and Surname of the author1\* (*orcid id: 0000-000x-xxxx-xxxx*) (Times New Roman 10 pt, alignment: left, bold, *orcid id:* *Times New Roman 10 pt, alignment: left, italic*)

Name and Surname of the co- author2 (*orcid id: 0000-000x-xxxx-xxxx*) (ditto, after 2 pt)

1 Author’s place of work (Times New Roman 8 pt, alignment: left, spacing: before 2 pt, after 0 pt)

2 Co-authors place of work (Times New Roman 8 pt, alignment: left, spacing: before 2 pt, after 12 pt)

|  |
| --- |
| Abstract: (50 to 150 words: Times New Roman 9 pt, alignment: justified, spacing: before 12 pt, after 0 pt, indentation 1.25).  Keywords: (3 to 5 words: Times New Roman 9 pt, alignment: justified, spacing: before 6 pt, after 12 pt, indentation 1.5 cm). |
| **Access to the content of the article is only on the bases of the Creative Commons licence CC BY-SA**  **Please, quote this article as follows:**  Surname of the Author/Authors and First letter of the name with a dot, Title of the article,  Construction of Optimized Energy Potential (CoOEP), Vol. xx, 20xx, xx-xx, DOI: 10.17512/bozpe.20xx.xx.xx |

## Introduction (Times New Roman 12 pt, bold, alignment: left, without numbering, spacing: before 24 pt, after 12 pt)

Margins: top 3.5 cm; bottom 6.2 cm; right and left 4.0 cm. **The number of pages of the text cannot exceed 8** in A4 format.

## 1. Titles of the main chapters (Times New Roman 12 pt, bold, alignment: left, numbered, spacing: before 24 pt, after 12 pt, indentation 0.5 cm)

Text Times New Roman 11 pt, alignment: justified, indention 0.5 cm, single spacing between individual lines, **please use the word hyphenation function**, do not use underlining, shading or text framing. Language of the text: English.

### 1.1. Titles of subchapters (Times New Roman 11 pt, bold, alignment: left, numbered, spacing: before 12 pt, after 6 pt, indentation 0.8 cm)

Division of sub-chapters should be no more than two-stage.

**Tables:** width within text, single framing ½ point, without shading. When a table continues onto the next page, repeat the headers. The table should be included in the text preceded by a title, give (source).

**Table 1.** Title (Times New Roman 10 points, name **Table and number in** **bold**, alignment: justified, spacing: before 12 pt, after 6 pt, indentation 1.3 cm), source e.g. (Smith & Jones, 2013 or own research)

|  |  |  |  |
| --- | --- | --- | --- |
| Materials | Thickness | Density | Specific heat |
| m | kg/m3 | kJ/(kg.K) |
| Concrete 1 | 0.10 | 1800 | 0.84 |
| Concrete 2 | 0.20 | 2200 | 0.84 |

Text in table 9 pt, spacing: before and after 2pt. Spacing after the table 12 pt.

**Figures, drawings, diagrams and photographs:** black and white or grayscale, centred on the line, line spacing above and below one row. Drawings, charts, diagrams and photographs should be included in the text preceded by a reference, specify (source). Spacing before drawing 12 pt.



**Fig. 1.** Title (Times New Roman 9 pt, name **Fig.** **and number bold**, centered, spacing: before 6 pt, after 12 pt, indentation from the left and right 0.5 cm), source e.g. (Smith & Jones, 2013 or own research)

**Mathematical formulas:** Microsoft Word equation editor, Times New Roman 11 pt, formula centred on the line, spacing above and below the formula one row, explanation of symbols placed under the formula, numbering of equations on the right at the end of the line in (round brackets).

 (1)

where:

d - layer thickness, m;

λ - thermal conductivity factor, W/(m K).

## Conclusions (like the titles of the main chapters, without a number)

Summary of the article with conclusions.

### Information/Acknowledgements (like the titles of the main chapters, without numbers)

*Information text on the contribution of the substantive, factual or financial entities that contributed to the creation of the article, its originality, implemented projects under which the article was created or acknowledgements (Times New Roman 11 pt, italics, alignment: justified, paragraph 0.5 cm, single spaces).*

## Bibliography (like the titles of the main chapters, without the number)

**The Harvard style**, consisting of bibliographic footnotes in the text and bibliography, should be used to prepare the bibliography.

**The bibliographic footnotes in the text** should be given in round brackets, e.g.:

There is no need to install frames that are difficult to operate (Smith, 2020).

- two and more authors: (Smith & Jones, 2019), (Smith et al., 2020);

- publications of the same author, from the same year: (Smith, 2022a), (Smith, 2022b);

- publications of various authors and other in alphabetical order: (Ars, 2018; *Energy*, 2023; Tark, 2022);

- if there is no author, enter the first word/words of the title: (*Energy*, 2023);

- legal acts: (Act, 2019; Directive, 2018), standards: (PN-EN ISO 690:2001).

**Bibliographic descriptions** should be prepared **in alphabetical** order, without the numbers, Times New Roman 9 pt, only Latin alphabet, spacing after 2 pt.

*- the titles of books, acts, standards and journals should be distinguished in italics.*

**Examples of bibliographic descriptions for individual bibliographic items:**

* book - one author

Peters, J. (2020) *Heat exchange*. Berlin, Springer Nature.

* book - two authors

Smith, J. & Jones, C. (2017) *Heat exchange*. London, VSC Office.

* book - more than two authors

Pihl, J., Pealed, L., Tian, Y., Song, X. & Berardi, U. (2021) *A study on green roof*. Paris, JPG Office.

* publication under the editorship

Brown, M. (Ed.) (2021) *Wooden construction*. New York, Doubleday Publishing House.

Cabeza, L.F. & Urgyen, D. (Eds.) (2020) *Concrete structures.* London, Selma’s Office.

* chapter in book

Taylor, A. (2020) Photovoltaic installations. In: Pihl, Z. (Ed.) *Photovoltaic*. Prague, XCN Office, 2-19.

* conference materials

Jutras, N. & Wu, Z. (2023) Thermal renewal of buildings. In: Koszelnik, P. & Mesaros, P. (Eds.) *Proceedings of CEE Conference 2023. Technologies and Materials in Civil Engineering*, 47, 54–68.

Gores, M., Godin, K., & Melica, G., (2021) The trend of using solar energy of a green intelligent building. *IOP Conference Series: Materials Science and Engineering,* 12, 27069, 126-131.

* publications without an author

*Energy from renewable sources in 2021* (2022) Warsaw, Statistics Poland.

*World Energy Outlook* (2022) Paris, IVA.

* publication in the journal

Williams, A. (2018) Selected problems of energy consumption. *Energy & Building,* 8, 3-6.

Ge, T., Peng, J., Tee, B.T. & You, S. (2022) The renewable energy sources. *Energy,* 256, 11175.

* publication/material in electronic access

Smith, A. (2018) *Modern windows*. http://www.oknoplast.pl/rcie/gru2017.html (4.03.2022).

*Compressed constructions* (2022) http://www.erinta.pl/ws/sty2018.html (29.01.2023).

https://bdl.stat.gov.pl/bdl/dane/podgrup/wymiary (27.07.2023).

* legal acts

Act of 5 May 2020 *on supporting thermal modernization and repairs*. OJ 2020, item 1562.

Regulation of the Minister of Infrastructure of 12th April 2002 *on technical conditions, which should correspond to the buildings and their location*. OJ 2002, No. 75, item 690 with amendments.

Directive 2018/844/EU of the European Parliament and of the Council of 30 May 2018 *on the energy performance of buildings*. OJ 2018, L 156/12.

Communication from the Commission to the European Parliament, the European Economic and Social Committee and the Committee of the Regions (2020) *A Renovation Wave for Europe - greening our buildings, creating jobs, improving lives*. COM 662.

* standards

PN-EN ISO 10211:2017-09 *Thermal bridges in building construction - Detailed calculations*.

## Bibliography (in alphabetical order, without the number)

Asdrubal, M. & Schneider, W. (2021) *Assessment of renewable energy use*. Brno, PTU.

Balveer, P., Sat, Y., You, S. & Wada, N. (2022) Economy and energy analysis of buildings thermal modernization. In: Sinisa, V. (Ed.) *Energy audit in civil engineering*. Warsaw, CND Publishing, 2-19.

*Climate change and urban growth* (2023) Brussels, Fares Office.

Commission recommendation 2019/786 of 8 May 2019 *on building renovation*. OJ 2019, L 127/34.

Hou, D. & Luo, J. (2017) Using solar energy in a green building. *Energies,* 21, 1478.

*Nature-based solutions* (2018)London, Salvos Office.

*NZEBs in sustainable development* (2020) https://www.dexma.com/blog-en/nzebs (21.10.2022)

PN-EN ISO 12865:2019 *Hygrothermal performance of building components and building elements.*

Rankles, L.F. & Watts, D. (Eds.) (2019) *Passive buildings*. Berlin, VAG Office.

Skye, A. (2023) Aspects of reduction of energy consumption in residential buildings. Construction of Optimized Energy Potential 11, 28–36.