



Product Category Rule (PCR) Guidance for Building-Related Products and Services

Part B: Builders Hardware EPD Requirements

UL 10010-13

Product Category Rules (PCR) for Building-Related Products and Services Part B: Builders Hardware EPD Requirements, UL PCR 10010–13

Second Version, Published August 19, 2025

Summary of Topics

This is the Second Edition of the Product Category Rules (PCR) for Building-Related Products and Services Part B: Builders Hardware EPD Requirements, UL 10010–13, dated 08-19-2025. The First Edition of the Part B: Builders Hardware EPD Requirements, UL 10010–13 was published on November 15, 2019.

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Publisher:
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Tracking of versions

Version	Comments	History
1.0	Creation of PCR Part B for Builders Hardware Products to conform with ISO 21930: 2017 and UL PCR Part A v3.2 Dec 2018. This PCR has been updated to align with international standards with the intent of allowing manufacturers to create EPDs which are global in scope.	November 15, 2019
2.0	Update of PCR Part B for Builders Hardware Products due to expiration of Version 1.0. Updated for compliance with the most recent version of UL PCR Part A and corrected any outdated references.	August 19, 2025

Detailed changes are listed in the table below. This PCR is valid for a period of five (5) years, set to expire in August 19, 2030.

Detailed changes from PCR Version 1 made in creation of Version 2.

Name	Change	Page/ note
PCR Program Operator	UL Environment is now UL Solutions or UL LLC as referenced throughout the document	Throughout document
PCR Publisher	ULSE is the Non-Profit UL Entity that will publish the PCR	V2 only
Reference to UL Part A	Minor changes/ typos addressed to refer to the latest version of the Part A PCR	Throughout document/ minor
Reference Standard	Minor changes to update reference standard numbers	Table 2, pp. 16
Section references	Call outs on pages 22 and 25 for reference changes (to section numbers)	Highlighted in yellow pp. 22 and 25
References were missing or outdated	Fixed reference data to ensure reference to document PCR	-
Default scenario assumptions	Added guidance for operational energy use calculations (B6).	Section 3.12
UNSPSC Codes	Added UNSPSC Codes to Scope	Section II
Document Formatting	Format of document updated to current UL standard	Throughout

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I. Background Information and Acknowledgements

This sub-category Product Category Rules (PCR), e.g. Part B was developed to address the product specific rules for the creation of Environmental Product Declarations (EPD) for “Builders Hardware” and includes all commercially available products under the ANSI/BHMA A156 series of standards except those listed as “Non-Applicable Products”, collectively referenced throughout this PCR as “Builders Hardware”. When used to self-reference this document, “PCR” refers to “sub-category PCR.”

Other PCRs and documents considered in the development of this PCR update include:

- Part A: Life Cycle Assessment Calculation Rules and Report Requirements UL Solutions
- ISO 21930 2017 - Sustainability in buildings and civil engineering works — Core rules for environmental product declarations of construction products and services
- EN 15804+A2:2019+AC:2021 - Sustainability of construction works - Environmental Product Declarations - Core rules for the product category of construction product.
- PCR Guidance-Texts for Building-Related Products and Services, From the range of Environmental Product Declarations of Institute Construction and Environment e.V. (IBU), Part B: Requirements on the EPD for locks and fittings, July 2013
- Life Cycle Assessment for ASSA ABLOY Corbin Russwin CL3300 Series Lock. ThinkStep, May 2015.

This PCR assumes a 75-year building service life to be consistent with ASHRAE 189.1:2020, Section 9.5.2.2.

Interested Parties

This Part B has been prepared with input from the following stakeholders:

Trade associations

- Builders Hardware Manufacturers Association (BHMA)

Governance

There are a number of representatives of building hardware manufacturers who participated in the creation of this Product Category Rule (“PCR”) for Builders Hardware, including the Builders Hardware Manufacturers Association (BHMA). These parties represent a majority of the companies in their particular sector of the Builders Hardware industry. Moreover, the manufacturers parties participating in the PCR update represent the vast majority of the building hardware systems sold in North America in the product categories included in this PCR. The very purpose and function of a trade association is to inform its members of important industry developments and to represent their interests in projects such as the update of a PCR affecting their products. This is important because it effectively demonstrates that a large percentage of the Builders Hardware industry is represented in the effort to renew the PCR for Builders Hardware products.

In the development of this document, Part B, participants are responsible for ensuring alignment with the latest version of ULS Part A and conformance with the scoped standards: ISO 21930, EN 15804+A2:2019+AC:2021, and ISO 14025.

Involvement of Interested Parties

UL Solutions was responsible for gauging the interest of the industry to maintain this PCR and to determine if any changes to the content of the PCR were necessary. After no comments were received during the extended call for public feedback, it was determined that no significant changes to the PCR were necessary. The PCR was then updated by UL to correct any outdated references and to be in compliance with UL PCR Part A 0. The updated PCR then went through a second round of public comments and a panel review prior to publication.

BHMA informed their memberships of the PCR update through their regularly scheduled association committee meetings, newsletters, e-mail messages, and similar types of outreach.

Update Process

The PCR is valid for a duration of five (5) years from the publication date, at which time it may be revised at the request of industry stakeholders. The PCR may be revised before the five-year date if the following occurs in the industry:

- The industry desires an update
- Core governing standards ISO 14040, 14044, 14025, 21930, or EN 15804+A2:2019+AC:2021 are updated with substantial material changes

Note: When the PCR is updated, the Program Operator shall communicate with the original committee, any new EPD participants, and initiate a new public call for interested parties.

Public Consultation

Public consultation was utilized during the PCR review process. The public consultation of the completed draft PCR included a minimum 30-calendar-day period for comments to be submitted to UL Solutions. After public comments were submitted, the PCR committee reviewed and developed responses for all comments. All comments from the review panel and public consultation were addressed and satisfactorily resolved by the PCR committee prior to the publication of this PCR.

Review

The review process of this Part B PCR included a review through public consultation, and a panel review, comprised of the following individuals:

Daniel Picard
ASSA ABLOY Openings Solutions

Jim Mellentine
Thrive ESG

Chair: Lindita Bushi, PhD
Athena Sustainable Materials Institute

II. Scope

This document contains the Product Category Rule (PCR) requirements for Builder Hardware System Product Environmental Product Declarations (EPDs) published in coordination with the ISO 21930 and EN 15804 standards. The requirements for the background Life Cycle Assessment (LCA) project report used to inform the EPD are contained in UL Solution's Part A: Life Cycle Assessment Calculation Rules and Report Requirements. This Part B document, coupled with the Part A, conforms to the ISO 21930 or EN 15804+A2:2019+AC:2021 and ISO 14025 sustainability standards for EPD reporting in addition to the US Green Building Council PCR Guidance.

This PCR has been developed to align with international standards with the intent of allowing manufacturers to create EPDs which are global in scope.

General Guidance

The scope of this PCR applies to the product group “Builders Hardware” and includes a collection of products that are used to secure, control access, control motion, protect openings from damage, provide safe passage to users, seal, and provide functional or non-functional decorative elements allowing code-compliant solutions for swing- and sliding-door openings in buildings. A sub-category of Builders Hardware also addresses the needs of cabinet hardware. The following list includes 33 product categories and their corresponding reference standard covered under the reporting scope of this PCR.

TABLE 1. BUILDERS HARDWARE PRODUCT SUBCATEGORIES, REFERENCE STANDARDS AND CSI CODES

Builders Hardware product sub-category	Reference standard	CSI code
Butts & Hinges	ANSI/BHMA A156.1-2021	08 71 00
Locks and Latches	ANSI/BHMA A156.2-2022	08 71 00
Exit Devices	ANSI/BHMA A156.3-2025	08 71 00
Door Closers and Pivots	ANSI/BHMA A156.4-2024	08 71 00
Cylinders and Input Devices for Locks	ANSI/BHMA A156.5-2020	08 71 00 (or 28 15 XX for card readers, etc.)
Architectural Door Trim	ANSI/BHMA A156.6-2021	08 71 00
Door Controls - Overhead Stops and Holders	ANSI/BHMA A156.8-2021	08 71 00
Cabinet Hardware	ANSI/BHMA A156.9-2020	06 41 93
Cabinet Locks	ANSI/BHMA A156.11-2024	06 41 93

Interconnected Locks	ANSI/BHMA A156.12-2022	08 71 00
Mortise Locks	ANSI/BHMA A156.13-2022	08 71 00
Sliding and Folding Door Hardware	ANSI/BHMA A156.14-2024	08 71 00
Release Devices: Closer Holder, Electromagnetic and Electromechanical	ANSI/BHMA A156.15-2021	08 71 00 or 28 15 15
Auxiliary Hardware	ANSI/BHMA A156.16-2023	08 71 00
Self-Closing Hinges & Pivots	ANSI/BHMA A156.17-2025	08 71 00
Strap and Tee Hinges and Hasps	ANSI/BHMA A156.20-2021	08 71 00
Thresholds	ANSI/BHMA A156.21-2025	08 71 00
Door Gasketing	ANSI/BHMA A156.22-2021	08 71 00
Electromagnetic Locks	ANSI/BHMA A156.23-2022	08 71 00 or 28 15 15
Delayed Egress Locking Systems	ANSI/BHMA A156.24-2022	08 71 00 or 28 15 17
Electrified Locking Devices	ANSI/BHMA A156.25-2023	08 71 00 or 28 15 15
Continuous Hinges	ANSI/BHMA A156.26-2021	08 71 00
Exit Locks, Exit Locks with Exit Alarms, Exit Alarms, Alarms for Exit Devices	ANSI/BHMA A156.29-2022	08 71 00
High Security Cylinders	ANSI/BHMA A156.30-2020	08 71 53
Electric Strikes and Frame Mounted Actuators	ANSI/BHMA A156.31-2024	08 71 00 or 28 15 15
Internally Powered Architectural Hardware Devices	ANSI/BHMA A156.33-2024	28 15 15
Power Supplies for Electronic Access Control	ANSI/BHMA A156.35-2025	28 15 15
Auxiliary Locks	ANSI/BHMA A156.36-2020	08 71 00
Multipoint Locks	ANSI/BHMA A156.37-2020	08 71 00
Residential Locksets and Latches	ANSI/BHMA A156.39-2025	08 71 00
Residential Deadbolts	ANSI/BHMA A156.40-2025	08 71 00
Integrated Sliding Door Opening Assemblies	ANSI/BHMA A156.43-2023	08 71 00
Hardware for Architectural Glass Openings	ANSI/BHMA A156.44-2021	08 71 00

The products considered in this PCR fall under UNSPSC Codes:

- 30161905 Door surrounds
- 30162300 Cabinet accessories
- 30171514 Door closers
- 31160000 Hardware
- 46171500 Locks and security hardware and accessories

Non-Applicable Products

Products that may provide the same function in a different application are not within the scope of this PCR. These excluded products are:

- ANSI/BHMA A156.10 – Power Operated Pedestrian Doors
- ANSI/BHMA A156.18 – Materials and Finishes
- ANSI/BHMA A156.27 – Power and Manual Operated Revolving Pedestrian Doors
- ANSI/BHMA A156.28 – Mechanical Keying Systems
- ANSI/BHMA A156.32 – Integrated Swinging Door Opening Assemblies
- ANSI/BHMA A156.41 – Single Motion to Egress

System Boundary

The system boundary for EPDs created using this PCR is either cradle to gate with end of life, cradle to gate with options, or cradle to grave. Cradle-to-grave EPDs (A1 to C4) are intended for BtoB and/or BtoC communications. The rest of EPDs are intended for BtoB communication. BtoB and BtoC stand for “business to business” and “business to consumer”, respectively (ISO 14025, Clause 9).

At this time, there is no industry consensus for assumptions behind the reported scenarios for information modules B1 – B5, B7, or C2 – C4 across each of the subcategories of products included in this PCR. Refer to section 3.12 for assumptions behind the reported scenarios in modules A4, A5, C1, and B6.

The EPD requirements include:

- ISO 21930:2017 standard
- EN 15804+A2:2019+AC:2021 standard (optional)
- UL Solutions General Program Instructions v 2.7, March 2022 (available upon request)

The calculation rules for the Life Cycle Assessment and Requirements on the Project Report are specified in the latest version of ULS PCR Part A