

What is the LEED Pre-Check Indicator?

The LEED Pre-Check Indicator is a *preliminary* indicator of consistency with specific requirements of the LEED v4 Material Ingredients Disclosure and Optimization credit designed to assist both project teams and manufacturers in determining whether a completed HPD meets LEED requirements. Additional checks are required to determine full compliance. This document provides information on what the LEED pre-check does, and suggestions on additional checks that a project team or manufacturer should consider performing. The indicator results from a mechanical cross-checking by the HPD Builder of the presence of data in specific fields and in some cases it checks to make sure the “correct” choice is indicated. It has limited ability to check the validity of the information in “text” fields. **PLEASE NOTE: the LEED Pre-Check is described in this document, as it is performed as a mechanical cross-check in the HPD Builder online tool, based on the requirements of the HPD Open Standard version 2.1. Having a pre-verified LEED Pre-check indicator is an advantage for users of selecting HPDs created by the HPD Builder. If an HPD was created with other tools, or using the HPD Fillable Form, project teams and manufacturers must independently verify that, if used, the LEED Pre-Check was performed according to the requirements of the HPD Open Standard.**

What does the LEED Pre-Check Indicator Show?

If the requirements of the Pre-Check are met for Option 1 and/ or 2 of the LEED credit, the following will be printed on the HPD at the bottom of Section 1:

- “LEED v4 Material Ingredients Option 1”
- “LEED v4 Material Ingredients Option 2,” or
- “LEED v4 Material Ingredients Options 1 and 2.”

If the requirements are not met, the optional pre-check is not conducted, or the manufacturer chooses not to disclose the results of the Pre-Check, the following will be printed on the HPD at the bottom of Section 1:

- “No pre-checks completed or disclosed.”



What does the LEED Pre-Check do and what does it not do?

The following table outlines the items that are included in this cross-check. HPDC is exploring additional functionality in the Builder that could expand the cross-check to include additional items. The table also suggests additional checks that should be conducted to ensure compliance with LEED.

Material Ingredients Option 1, Disclosure		
Data field	LEED Pre-Check	Additional checks needed
Threshold level	<ul style="list-style-type: none"> • 1000 or 100 ppm per Material or Product; both acceptable 	<ul style="list-style-type: none"> • No additional checks needed
Residuals and Impurities	<ul style="list-style-type: none"> • Considered or not considered; including partially considered for Basic Inventory • Explanation In Residuals and Impurities Notes present 	<ul style="list-style-type: none"> • Check against required responses [see link]
Characterized	<ul style="list-style-type: none"> • Must be “Yes” 	<ul style="list-style-type: none"> • No additional checks needed



Screened	<ul style="list-style-type: none"> • Must be “Yes” except • May be “No” under certain Special Conditions 	<ul style="list-style-type: none"> • Check for the following in Inventory and Screening Notes: [LEEDv4] “Screened=No” result is due only to materials and substances for which Special Conditions were applied. Thus “Screened=No” does not disqualify the product for the LEED v4 credit Materials and Resources Disclosure and Optimization, Option 1 or 2.
Identified	<ul style="list-style-type: none"> • Can be “Yes” or “No” to protect proprietary information but must be Screened and Characterized 	<ul style="list-style-type: none"> • No additional checks needed
HPD Complete	<ul style="list-style-type: none"> • All data fields required by Standard have data present; • Validity, quality not checked 	<ul style="list-style-type: none"> • No additional checks needed, beyond those specified in this table
Published		<ul style="list-style-type: none"> • HPD Public Repository URL must be provided (URL is inserted at publication, after Pre-Check is conducted)
Complete inventory		<ul style="list-style-type: none"> • Materials: total (sum) of % amounts of all materials should be 100%; if ranges are used, total of highest % in all ranges must be 100% or more • Substances: total (sum) of % amounts of all substances under each material can be lower than 100% since substances below threshold not listed; in most cases, this total should be at least 90%
Special Conditions (if applicable)		<ul style="list-style-type: none"> • Check that Special Conditions best practices have been met [link to Special Conditions in BPs]

Material Ingredients Option 2, Optimization		
Data field/ requirement	LEED Pre-Check	Additional checks needed
Meet all requirements of Option 1	Must meet all requirements listed for Option 1	
Threshold level	Must be 100 ppm in Material or Product	
GreenScreen: must have no Benchmark-1 (BM-1) hazards or List Translator-1 (LT-1) or P1 (LT-P1) hazards	No BM-1, LT-1, or LT-P1 GreenScreen scores	

Additional Information

A manual check is required currently to allow HPDs with Special Conditions to contribute to the LEED credit. These “Special Conditions” are an acknowledgement that some materials, substances, and processes are not well addressed by the current HPD Open Standard specified methods. There is an ongoing process, driven by the HPDC Special Conditions Technical Sub-Group, to provide “best practices” to enable HPDs to be created for products that use these materials, substances, or processes. For more on Special Conditions, see <https://www.hpd-collaborative.org/emerging-best-practices/>. If an HPD has used the Special Conditions, “Identified” might be “No” if “Screened” is “Yes.” If “Screened” = “No” AND the only substance not screened is a Special Condition, the HPD is not prohibited from use in LEED. Check the following:

- The following should be printed in the Inventory and Screening Notes:
 [LEEDv4] “Screened=No” result is due only to materials and substances for which Special Conditions were applied. Thus “Screened=No” does not disqualify the product for the LEED v4 credit Materials and Resources Disclosure and Optimization, Option 1.
- In Section 2, Inventory, check that all “Undisclosed” substances have been screened, with hazards identified or “none found” indicated in the Hazards field.
- If the HPD was not created in the HPD Builder, consider more thorough checking based on the table above, since HPDC cannot guarantee accuracy of pre-checks conducted for HPDs created with the HPD pdf form or other tools.

Additional guidance on Special Conditions will be available in the 4th Quarter of 2017.