



Methodology for Marketing Claim Verification

**UL Verified Healthy Building for New
Construction**
UL MCV 2134

Summary of Topics

Edition 1.0 of the Methodology for Marketing Claim Verification: UL Verified Healthy Building for New Construction, UL MCV 2134 has been issued.

Subject to these terms and conditions and those in any other agreements between you and UL LLC, or its affiliates (collectively, "UL Solutions"), you are hereby granted a limited, non-exclusive, non-transferable license to use the Methodology for Marketing Claim Verification (Methodology) solely for your internal, non-commercial business purposes. The Methodology is not being sold, and other than the limited license granted herein UL Solutions retains all rights, title and interest (including exclusive ownership) in the Methodology and all copyright therein. UL Solutions reserves the right to regain possession of the Methodology from you at any time. When no longer needed, you agree to destroy the Methodology (if in hardcopy form) or delete and purge the Methodology from your files (if in electronic form). No part of the Methodology may be reproduced, modified, stored in a retrieval system, or transmitted in any form by any means, whether electronic, mechanical photocopying, recording, or otherwise without prior written permission of UL Solutions. You further agree not to create any derivative works from the Methodology or remove or alter any copyright or other proprietary notices in the Methodology. The limited license to use the document shall automatically terminate upon your breach of any of the terms and conditions herein or any other agreement between you and UL Solutions.

UL Solutions provides this Methodology "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will UL Solutions be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Methodology, even if UL Solutions has been advised of the possibility of such damage. In no event shall UL Solutions' liability for any damage ever exceed the price paid for the license to use this Methodology, regardless of the form of the claim.

Users of the electronic versions of UL Solutions' Methodology for Marketing Claim Verification agree to defend, indemnify, and hold UL Solutions' and each of their respective trustees, officers, employees, agents and representatives harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Methodology on the purchaser's computer system.

Publisher:

UL Solutions

Tracking of versions:

Version	Comments	History
1.0	Release	06/20/2024

© UL Solutions

1 Introduction

The purpose of this document is to define the program for the UL Verified Healthy Building Mark for New Construction. This program is designed for new construction, redevelopment, and tenant improvement projects.

This verification claim focuses on the evaluation of indoor environmental quality policies and select parameters for newly constructed or redeveloped buildings or spaces intended for occupancy by at least one Full-Time Equivalent (FTE), for identification as a 'Verified Healthy Building for New Construction'.

The four available verification mark options are designed to accommodate "core & shell" (i.e., base building industrial or commercial construction projects, fully built-out and finished industrial or commercial structures or spaces, as well as multi-family residential construction projects). Each option is supported by a set of policies adopted for promoting optimal indoor environmental quality in the building or space during and after construction.

Table of Contents

1 INTRODUCTION.....3

2 SCOPE.....5

3 GLOSSARY 6

4 RESPONSIBILITY 9

 4.1 Mark Issuance 9

 4.2 Non-compliance Actions 9

5 GENERAL REQUIREMENTS 10

 5.1 Policy Requirements Summary 10

 5.2 Attestation Requirement Summary 12

 5.3 Visual Verifications – for all Options 13

 5.4 Air Quality – For Options 2, 3 and 4 14

 5.5 Water Quality Screening – for Options 3 and 4 16

6 AGREEMENTS 17

7 RECORDS 17

APPENDIX A: EQUIVALENCIES 18

APPENDIX B: ALIGNMENT.....20

2 Scope

This document applies to new construction, re-development, and tenant improvement projects globally. There are four verification mark options that can be achieved:

Option 1: “Verified Healthy Building for New Construction: Core & Shell”

Designed for base building construction or re-development projects. Defined as confirmation of the presence of policies applicable to the optimization of indoor environmental quality during and after construction as well as on-site verification of indoor air quality conditions prior to build-out.

Option 2: “Verified Healthy Building for New Construction: Indoor Air”

Designed for fully built-out buildings or tenant spaces. Defined as confirmation of the presence of policies applicable to the optimization of indoor environmental quality during and after construction as well as on-site verification of indoor air quality conditions prior to occupancy.

Option 3: “Verified Healthy Building for New Construction: Indoor Air and Water”

Designed for fully built-out buildings or tenant spaces. Defined as confirmation of the presence of policies applicable to the optimization of indoor environmental quality during and after construction as well as on-site verification of indoor air and water quality conditions prior to occupancy.

Option 4: “Verified Healthy Building for New Construction: Residential”

Designed for multi-family residential construction projects. Defined as confirmation of the presence of policies applicable to the optimization of indoor environmental quality during construction as well as on-site verification of indoor air and water quality conditions prior to occupancy.

This verified mark is supported by the validation of required plans or policies, on-site quantitative measurements, and visual inspections (see Section 4).

For this program, New Construction (Options 2, 3, 4) projects are defined as project spaces where greater than 50% of the project gross square footage is fit out with interior finishes, furnishings, interior lighting systems, interior partition walls, interior ceilings, terminal HVAC systems, etc. If less than 50% of project gross square footage is fit out at time of project completion or in project scope, the project shall opt for Option 1, Core and Shell. If a project is to be completed in a phased approach, the percentage of finished gross floor space at the time of scope completion or time of testing shall determine the Option selected. UL Solutions will consult with project teams as needed ensure the appropriate pathway Option is pursued.

NOTE: This verification program recognizes the issues surrounding hazardous materials as they pertain to the built environment. It is the responsibility of the building owner and/or operator to assure compliance with all regulations applicable within the jurisdiction.

3 Glossary

- **CARBON DIOXIDE (CO₂)** – A byproduct of respiration and normal constituent of the atmosphere. Measurement of carbon dioxide can provide an indication of ventilation rates in a building and/or a threshold of comfort.
- **CARBON MONOXIDE (CO)** – a colorless, odorless gas that is produced by the incomplete combustion of carbon-containing fuels.
- **CORE & SHELL** – A term to describe a building where the outer envelope, and base building systems are constructed without the addition of the components of an occupiable space.
- **FILTER** – A porous component of the HVAC system designed to remove particulate or gaseous pollutants from the air.
- **FORMALDEHYDE (HCHO)** – A pungent, volatile organic compound associated with certain new furnishings, glues, pressed woods, vehicle exhaust and tobacco smoke. Reacts in the atmosphere to become a component of smog.
- **HEATING VENTILATION and AIR CONDITIONING (HVAC)** – Refers to mechanical ventilation equipment designed and operated to maintain thermal comfort, acceptable IEQ, and air pressure relationships.
- **INDOOR AIR QUALITY (IAQ)** – The quality of air in building interiors. IAQ is generally deemed acceptable if air pollutants are absent or the concentrations of pollutants are too low to cause dissatisfaction or discomfort.
- **INDOOR ENVIRONMENTAL QUALITY (IEQ)** – The quality of environmental parameters in building interiors, such as air, water, light and acoustics. IEQ is deemed acceptable if quantitative performance measurements meet set thresholds.
- **INFRARED THERMOGRAPHY** – The science of detecting radiation in the infrared range. As radiation increases with temperature, thermography allows one to detect the variation in temperature allowing building diagnosticians to “see” moisture accumulation or potential air leakage not otherwise visible.
- **LEAD-BASED PAINT** – Paint or surface coatings containing less than 1 mg/cm² or less than 5% by weight or as defined by local jurisdictions.