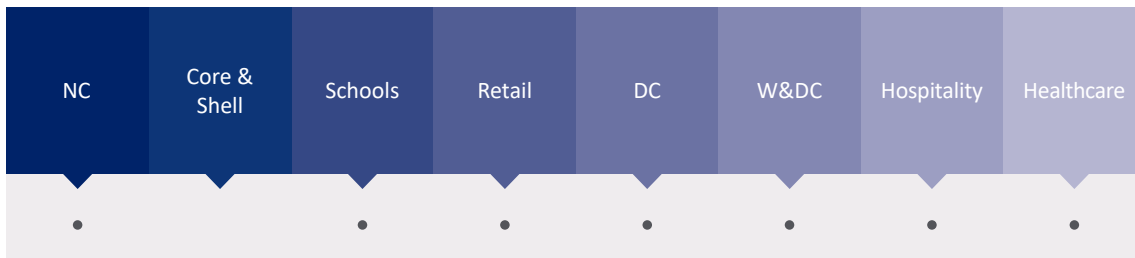




LEED CATEGORY INDOOR ENVIRONMENTAL QUALITY

1
point

THERMAL COMFORT



OBJECTIVE

Thermal Comfort

Promote productivity, comfort and wellbeing via measures that ensure thermal comfort and quality.

ASSESSMENT PROCEDURE

Design the envelope and the heating and ventilation systems in such a way that:

- **Option 1:** Comply with the standard ASHRAE 55-2017: Design heating, ventilation, air conditioning and envelope systems for the building to comply with the requirements of the standard ASHRAE 55-2017, conditions of thermal comfort for human occupation or a local equivalent standard.
- **Option 2:** Comply with the applicable standard: Design the air conditioning and envelope systems to comply with the requirements of the applicable standards.
 - o ISO 7730: 2005
 - o ISO 17772-2017

NOTE: In order to comply with the credit there are other requirements for controlling the systems that do not apply to the products analyzed.

COMPLIANCE WITH THE REQUIREMENTS

The combination of the CUPACLAD® rainscreen cladding with an exterior insulation system gives the building numerous advantages in terms of thermal comfort.

The standards listed above establish the ranges of the indoor environmental conditions to achieve acceptable thermal comfort for the occupants of the building. The standards deal with environmental factors such as temperature, thermal radiation, damp, etc.

The air gap in the rainscreen cladding, where there is continuous circulation, eliminates small seepages of water that could eventually pass through the slate joints, and reduces condensation and damp.

REFERENCE STANDARD

- ASHRAE 55/ 2017
- ISO 7730: 2005
- ISO 17772-2017

ADDITIONAL DOCUMENTATION

Datasheets: <https://www.cupapizarras.com/es/cupaclad/>

Notes

1. The information contained in this document corresponds to a study into the possibility of fulfilling the credits for LEED environmental certification according to the information provided by the company. This document does not constitute a certification of the product, nor does it guarantee compliance with local applicable laws.
2. Obtaining the percentage of impact reduction, or the points for the certification, depends on actions across all of the materials and products used in the construction of the building to be certified.
3. The conclusions of this study apply only to the products mentioned in this report and are subject to the technical conditions of the product remaining the same, as well as the requirements of the environmental certifications systems that are the subject of the study.
4. This document gives information on the possible contribution of the products studied towards obtaining the LEED certificates. However, the final decision as to whether or not a product complies with the LEED certification is exclusively down to the GBCI (Green Business Certification Inc).