2022 Denver Green Code
Explanatory Video Series

CEO1: Reduced Air Infiltration

Community Planning & Development
Office of Climate Action, Sustainability and Resiliency
Reduced Air Infiltration

Why is this a priority in Denver?

- Reducing air leakage is an effective strategy for reducing cooling and heating energy use, which in turn reduces operational greenhouse gas emissions.
- Reliable air barrier performance helps close the gap between predicted and actual building energy use, supporting a Denver community goal and providing greater predictability for building owners.
- A tighter building envelope also improves indoor air quality by reducing infiltration of environmental contaminants in outside air, such as smoke and pollutants.
CE01: Reduced Air Infiltration

Project Requirements

• Test the air barrier in accordance with DEC Section C402.5. The air leakage rate must be below a reduced target of **0.25 cfm/ft²**
  – Maximum rate of **0.40 cfm/ft²** is allowed with diagnostic evaluation, visual inspection, and corrective actions

<table>
<thead>
<tr>
<th>Code Section</th>
<th>Target (cfm/ft²)</th>
<th>Maximum (cfm/ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DGC CE01</td>
<td>0.25</td>
<td><strong>0.40</strong></td>
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<tr>
<td>DEC C402.5.2</td>
<td><strong>0.30</strong></td>
<td><strong>0.45</strong></td>
</tr>
<tr>
<td>(Sleeping &amp; Dwelling Units)</td>
<td></td>
<td></td>
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<tr>
<td>DEC C402.5.3</td>
<td><strong>0.30</strong></td>
<td><strong>0.40</strong></td>
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<tr>
<td>(All Other Buildings)</td>
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**Note:** Projects that select CE01 for LMU compliance cannot use DEC C406.9 for C406 compliance
## Submittal Requirements

<table>
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<tr>
<th>Phase</th>
<th>What’s required?</th>
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| **Permit** | • Submit completed DGC LMU and DEC Checklists  
• Show continuous air barrier and air sealing details per DEC C103.2  
• State the target air leakage rate and maximum limit per DGC 701.3.1.1 on the construction drawings |
| **Construction** | • Submit final commissioning report verifying the installation of the continuous air barrier and tested air leakage rate  
• If maximum used, submit report identifying corrective actions taken |
Where can I learn more?

Visit Denvergov.org/GreenCode to:

• Link to the 2022 Denver Green Code
  • Download the DGC Checklists
  • Watch other videos in this series
    • Register for DGC Virtual Office Hours
    • Find additional resources for your project

Denver Energy Code links: Code & Policies | Checklists | Resources & Trainings

For Green Buildings Ordinance, visit Denvergov.org/GreenRoofs