

### Mandatory Cool Roof Requirements for All Existing Buildings:

#	Construction Phase	Applicable Code Section	Submittal Item	Requirement
1	Roof Permit	R+Rs 2.03(c)	Green Building Declaration Form	Provide a <a href="#">Green Building Declaration Form for Existing Buildings</a> with all fields infilled including the owner's signature.
2	Roof Permit		Roof permit application	Provide a <a href="#">roof permit application</a> with the project valuation.
3	Roof Permit	R+Rs 2.03(a)	Roof plan	Provide a roof plan with the total roof area quantified.
4	Roof Permit	R+Rs 3.02(a) R+Rs 3.03(a) R+Rs 3.03(b)	Roof product & solar reflectance data	Provide cool roof covering and paver solar reflectance data with the color circled, highlighted, or otherwise identified in conformance with Table 1 - Reflectance Requirements in the GBO R+Rs. This information may be included in the construction document specifications or on the roof plan.
5	Roof Permit		Roof assembly section details	<u>Roof section detail</u> - OR - <u>a detailed, layer-by-layer description</u> of the roof assembly. Please provide both a detail for the existing assembly AND the proposed assembly.
6	Roof Permit	R+Rs 3.03(b)(i)	Condensation avoidance strategy	Provide one of the following options: (1) Air barrier AND vapor retarder product data if the low-slope prescriptive assembly is being provided, OR (2) A dew point analysis from a registered professional if a prescriptive assembly is NOT being provided, OR (3) A note stating that an existing cool roof is being replaced; if a note is provided, then the prescriptive assembly or the dew point analysis does NOT need to be provided.
7	Roof Permit	IBC 1202.2 IBC 1202.3	Ventilation details (steep slope only)	Provide a roof plan illustrating locations, sizing, and calculations.
8	Roof Permit	R+Rs 3.04	Exemptions	For any exemptions claimed, please provide substantiation.
9	Roof Permit	R+Rs 3.04(a)	Exemptions - Character defining roofs	See applicable GBO R+Rs Section 3.04(a) for additional submittal requirements if claiming a character defining roof. It is recommended that any project considering applying for a character defining cool roof exemption, contact us first at <a href="mailto:stephen.sanderson@denvergov.org">stephen.sanderson@denvergov.org</a> or <a href="mailto:christy.collins@denvergov.org">christy.collins@denvergov.org</a> .
10	Roof Permit		Exemptions - Existing cool roof	Simply provide a note on the roof plan or roof assembly description submittal document.
11	Roof Permit	R+Rs Section 10-302(d)(3)(a)	Exemptions - Residential building below 5 stories OR 62.5' in height	Provide photos and/or drawings substantiating the claimed exemption as a residential property <5 stories OR 62.5' or less in height with measurements.