

**AMENDMENTS TO COUNCIL BILL 21-0160
(1st Reader Copy)**

By: Rules and Legislative Oversight Committee
(To be offered on the Council floor)

Amendment No. 1

On page 1, in line 4, strike “partly financed using City funds”.

Amendment No. 2

On page 1, after line 8, insert “Baltimore City Revised Code”; and, on that same page, in line 12, after “§” insert “§ 202.2.15A and”; and, on that same page, after line 17, insert “Baltimore City Revised Code”; and, on that same page, in line 21, after “§” insert “§ 202.2.1A and”.

Amendment No. 3

On page 1, after line 14, insert:

“BY repealing and reordaining, with amendments
Article - Building, Fire, and Related Codes
Section(s) 9A-102 (IECC-C § 402.1 through 402.4)
Baltimore City Revised Code
(2020 Edition)”

BY repealing and reordaining, with amendments
Article - Building, Fire, and Related Codes
Section(s) 11-102 (IGCC § 501.3.5.3.2)
Baltimore City Revised Code
(2020 Edition)”.

Amendment No. 4

On page 1, after line 23, insert:

“BY repealing and reordaining, with amendments
Article 1 - Mayor, City Council, and Municipal Agencies
Section 40-14(e)(5c)
Baltimore City Code
(Edition 2000)

BY adding
Article 1 - Mayor, City Council, and Municipal Agencies
Section 40-14(e)(6b)
Baltimore City Code
(Edition 2000)”.

Amendment No. 5

On page 2, after line 6, insert:

“Chapter 2. Definitions; Rules of Construction

Section 202 Definitions

...

202.2 Supplemental definitions. Notwithstanding any different definition in the International Building Code, the following terms have the meanings given in this § 202.2.

...

202.2.15 Code. “Code” means, unless otherwise specified in the Building, Fire, and Related Codes of Baltimore City, as further defined in § 101.1 {“Title”}.

202.2.15A COOL ROOF RATING COUNCIL. “COOL ROOF RATING COUNCIL” OR “CRRC” MEANS THE COOL ROOF RATING COUNCIL, INC., AN AMERICAN NATIONAL STANDARDS INSTITUTE-ACCREDITED STANDARDS DEVELOPER ORGANIZATION, THAT CREATED, MAINTAINS, AND UPDATES THE AMERICAN NATIONAL STANDARD: ANSI/CRRC S100 - “STANDARD TEST METHODS FOR DETERMINING RADIATIVE PROPERTIES OF MATERIALS”.”.

Amendment No. 6

On page 2, in line 12, strike “BE ENERGY STAR RATED AS HIGHLY REFLECTIVE” and substitute “HAVE A MINIMUM 3-YEAR-AGED SOLAR REFLECTIVE INDEX OF 78, AS DETERMINED BY THE COOL ROOF RATING COUNCIL”; and, on that same page, after line 25, insert:

“1504.9.1 CONFLICTS. IN THE EVENT OF A CONFLICT BETWEEN § 1504.9 OF THIS CODE AND CITY CODE ARTICLE 6 {“HISTORICAL AND ARCHITECTURAL PRESERVATION”}, CITY CODE ARTICLE 6 {“HISTORICAL AND ARCHITECTURAL PRESERVATION”} PREVAILS.”

Amendment No. 7

On page 2, after line 26, insert:

“Baltimore City Revised Code

Article – Building, Fire, and Related Codes

Part IX-A. International Energy Conservation Code – Commercial Provisions

§ 9A-102. City Modifications.

The additions, deletions, amendments, and other modifications adopted by the City are as follows:

Chapter 4 Commercial Energy Efficiency

Section 402 Building Envelope Requirements

402.1 TO [402.4] 402.2 {As in IECC-C}

402.3 ROOF SOLAR REFLECTANCE AND THERMAL EMITTANCE. LOW-SLOPED ROOFS DIRECTLY ABOVE COOLED CONDITIONED SPACES IN CLIMATE ZONES 1, 2 AND 3 SHALL HAVE A MINIMUM 3-YEAR-AGED SOLAR REFLECTIVE INDEX OF 78, AS DETERMINED BY THE COOL ROOF RATING COUNCIL.

EXCEPTIONS: THE FOLLOWING ROOFS AND PORTIONS OF ROOFS ARE EXEMPT FROM THE REQUIREMENTS OF THIS SUBSECTION:

- 1. PORTIONS OF THE ROOF THAT INCLUDE OR ARE COVERED BY THE FOLLOWING:**
 - 1.1. PHOTOVOLTAIC SYSTEMS OR COMPONENTS.**
 - 1.2. SOLAR AIR OR WATER-HEATING SYSTEMS OR COMPONENTS.**
 - 1.3. ROOF GARDENS OR LANDSCAPED ROOFS.**

1.4. ABOVE-ROOF DECKS OR WALKWAYS.

1.5. SKYLIGHTS.

1.6. HVAC SYSTEMS AND COMPONENTS, AND OTHER OPAQUE OBJECTS MOUNTED ABOVE THE ROOF.

2. PORTIONS OF THE ROOF SHADED DURING THE PEAK SUN ANGLE ON THE SUMMER SOLSTICE BY PERMANENT FEATURES OF THE BUILDING OR BY PERMANENT FEATURES OF ADJACENT BUILDINGS.
3. PORTIONS OF ROOFS THAT ARE BALLASTED WITH A MINIMUM STONE BALLAST OF 17 PSF (74 KG/M²) OR 23 PSF (117 KG/M²) PAVERS.
4. ROOFS WHERE NOT LESS THAN 75 PERCENT OF THE ROOF AREA COMPLIES WITH ONE OR MORE OF THE EXCEPTIONS TO THIS SECTION.

402.3.1 AGED ROOF SOLAR REFLECTANCE. WHERE AN AGED SOLAR REFLECTANCE REQUIRED BY SECTION 402.3 IS NOT AVAILABLE, IT SHALL BE DETERMINED IN ACCORDANCE WITH EQUATION 4-3.

$$R_{AGED} = [0.2 + 0.7(R_{INITIAL} - 0.2)] \quad \text{(EQUATION 4-3)}$$

WHERE:

R_{AGED} = THE AGED SOLAR REFLECTANCE.

$R_{INITIAL}$ = THE INITIAL SOLAR REFLECTANCE DETERMINED IN ACCORDANCE WITH CRRC-S100.

402.4 {AS IN IECC-C}

Part XI. International Green Construction Code

§ 11-102. City Modifications.

The additions, deletions, amendments, and other modifications adopted by the City are as follows:

Chapter 5 Site Sustainability

Section 501.3 Mandatory Provisions

501.3.5 Mitigation of Heat Island Effect.

501.3.5.3 Roofs.

...

501.3.5.3.2 Required Coverage. A minimum of 75% of the roof surface must be covered with products that:

- a. have a minimum [three] 3-year-aged SRI of [64] 78 in accordance with § 501.3.5.4 for roofs with a slope of less than or equal to 2:12; AND
- b. have a minimum 3-year-aged SRI of 25 in accordance with § 501.3.5.4 for roofs with a slope of more than 2:12.”.

Amendment No. 8

On page 3, after line 3, insert:

“Part II - Definitions

Chapter 2. Definitions

Section 202 Definitions

202.2 Supplemental definitions. Notwithstanding any different definition in the International Residential Code, the following terms have the meanings given in this § 202.2.

...

202.2.1A COOL ROOF RATING COUNCIL. “COOL ROOF RATING COUNCIL” OR “CRRC” MEANS THE COOL ROOF RATING COUNCIL, INC., AN AMERICAN NATIONAL STANDARDS INSTITUTE-ACCREDITED STANDARDS DEVELOPER ORGANIZATION, THAT CREATED, MAINTAINS, AND UPDATES THE AMERICAN NATIONAL STANDARD: ANSI/CRRC S100 - “STANDARD TEST METHODS FOR DETERMINING RADIATIVE PROPERTIES OF MATERIALS”.”

Amendment No. 9

On page 3, in line 12, strike “BE ENERGY STAR RATED AS HIGHLY REFLECTIVE” and substitute “HAVE A MINIMUM 3-YEAR-AGED SOLAR REFLECTIVE INDEX OF 78, AS DETERMINED BY THE COOL ROOF RATING COUNCIL”; and, on that same page, after line 25, insert:

“905.18.1 CONFLICTS. IN THE EVENT OF A CONFLICT BETWEEN § 905.18 OF THIS CODE AND CITY CODE ARTICLE 6 {“HISTORICAL AND ARCHITECTURAL PRESERVATION”}, CITY CODE ARTICLE 6 {“HISTORICAL AND ARCHITECTURAL PRESERVATION”} PREVAILS.”

Amendment No. 10

On page 2, after line 26, insert:

“Baltimore City Code

Article 1. Mayor, City Council, and Municipal Agencies

Subtitle 40. Environmental Control Board

§ 40-14. Violations to which this subtitle applies.

...

(e) Provisions and penalties enumerated.

...

**(5c) Building, Fire and Related Codes Article –
Building Code**

...

§ 1209.4 Diaper-Changing Amenities \$500

§ 1504.9 PERFORMANCE REQUIREMENTS \$1,000

...

**(6B) BUILDING, FIRE AND RELATED CODES ARTICLE –
INTERNATIONAL RESIDENTIAL CODE**

§ 905.18 REFLECTANCE \$1,000”.