

(by e-mail:)

Date: 19-11-2020
Our reference: 00.166.173 eng
Handled by: R.E. van Galen
Re: **NTA 8800 replaces NEN 1068**
Attachment(s): -

Dear certificate holder,

As of 1 January, the standard NEN 1068 “Thermal insulation of buildings - Calculation methods”, as prescribed by the Building Decree (Bouwbesluit, BB) for determining the Rc value and the U value, shall be replaced by the NTA 8800 “Energy performance of buildings - Determination procedure”.

Until 1 January 2021, the energy performance of buildings will be expressed in the energy performance coefficient, EPC, determined in accordance with NEN 7120 (BB Article 5.2). In addition to many different aspects, the heat resistance Rc of the exterior separating constructions and the heat transfer coefficient U of windows, doors, frames, and equivalent construction components are all considered in determining the EPC. The Rc and U values must, until that date, be determined in accordance with NEN 1068. BB Article 5.3 stipulates the minimum Rc values and maximum U values.

As of 1 January 2021, the energy performance of buildings EPC will be replaced by AENB (Almost Energy Neutral Buildings, in Dutch: Bijna Energie Neutrale Gebouwen, BENG) with the actuated determination procedure the NTA 8800. As of that date, the determination procedure actuated for the heat resistance Rc and the heat transfer coefficient U will also be the NTA 8800. That means that as of 1 January 2021, the EPC will be replaced by the AENB and the NEN 7120 and NEN 1068 will be replaced by the NTA 8800.

Consequences of the actuation of NTA 8800 as of 1 January 2021 as determination procedure for the heat resistance RC and the heat transfer coefficient U:

In determining the **heat resistance Rc** in accordance with the NTA 8800, in comparison to NEN 1068, the surcharge factor for the construction quality is rescinded. To compensate this, the Rc value requirement in the Building Decree is increased: the threshold values for the heat resistance, as set in BB Article 5.3 “Thermal insulation”, BB Article 5.6 “Conversion”, and BB Article 5.7 “Temporary construction”, will as of 1 January 2021 be:

1.3 m².K/W becomes 1.4 m².K/W
2.0 m².K/W becomes 2.1 m².K/W
2.5 m².K/W becomes 2.6 m².K/W
3.5 m².K/W becomes 3.7 m².K/W
4.5 m².K/W becomes 4.7 m².K/W
6.0 m².K/W becomes 6.3 m².K/W

That means these increases align with the rescinding of the surcharge factor of 5% (other cases). In situations where the surcharge factor of 5% applies, this merely constitutes a mathematical change.

For certified prefabricated elements/construction components, the surcharge factor of 2% “certified quality assurance system” is applied. There, this not only constitutes a mathematical change, but also a practical adjustment (for example, making the elements slightly thicker).

In summary: as of 1 January 2021, the determination procedures and the thresholds for the heat resistance R_c are changing, however, the performance in itself is not changing (situations where, in accordance with NEN 1068, the surcharge factor of 5% applies) or is changing to a very limited extent (situations where in accordance with NEN 1068, the surcharge factor of 2% applies).

For the **heat transfer coefficient U** of windows, doors, frames, and equivalent construction components, the determination procedure is changing as of 1 January 2021, however, this does not affect the calculated performances. The thresholds in the Building Decree remain the same. Exceptions to this are flat composite exterior doors, where the changed determination procedure can affect the performances.

In the planned changes to the assessment directive (beoordelingsrichtlijn, BRL) for 2021, the NTA 8800 will be designated in the relevant BRLs. With this letter, we kindly ask that you, in anticipation of the change to the BRL, as of 1 January 2021, apply the adjustments in the calculations and the changes to the Building Decree requirements as described above.

We trust to have you sufficiently informed,

SKH

Mr H.J.O. van Doorn, director

