

**Directive 2014/68/EU**

Adopted by CLAP : 18/06/2018

Directive References: Annex I § 7.5

**Subject:** Temperature for impact test**Question:** Should the 20°C limit set by section 7.5 of Annex I of the Directive be considered as the "specified" temperature, with a tolerance of  $\pm 2^\circ\text{C}$ ?**Answer:** Yes.

In the quantitative requirement of section 7.5 of Annex I, the temperature to be used for the impact test is indeed the "specified" temperature of 20°C as defined in EN ISO 148-1, with a tolerance of  $\pm 2^\circ\text{C}$ .

Note 1 : In the context of harmonised standards of materials or products, the impact test at ambient temperature ( $23 \pm 5^\circ\text{C}$ ) on the material or the qualification test coupon for permanent joining procedure shall meet the requirement of 20°C (see CLAP X168 – Guideline H-06).

Note 2: The lowest expected operating temperature may be either the minimum allowable temperature  $T_{Smin}$  or the so-called "TR" design reference temperature, defined in EN 764-1 and used for determining the impact energy requirements.

This temperature TR must not be confused with the so-called "TKV" impact test temperature, also defined in EN 764-1, which is the temperature at which the required impact energy has to be achieved.