

Guideline

F-19

CLAP

FORM N°X219

Version : 1

Directive 2014/68/EU

Adopted by WGP : 21/03/2017

Adopted by CLAP : 21/03/2017

Directive References: Annex I S3.1.2

Subject: ESR on manufacturing - Welded joints - Requirements

Question:

The Essential Safety Requirements define in Annex I chapter 3.1.2 that the properties of welded joints shall meet the minimum properties specified for the materials to be joined unless other relevant property values are specifically taken into account by the design process.

Do these requirements apply also for impact property values?

Answer:

Yes, in general also the impact property values shall meet the specified minimum properties of the materials joined.

Annex I, 4.1(a) refers to 7.5 regarding specific requirements of materials. To reach sufficient ductility for steel the impact value shall be at least 27 J at lowest operating temperature.

Different values are acceptable if justified by the design solution.