

Directive 2014/68/EU**Adopted by CLAP :** 26/11/2020**Directive References:** Annex I §4**Subject:** ESR on materials – Composite materials**Question:** How to apply material and manufacturing requirements of PED to vessels made of composite materials obtained by a mixture of fibrous reinforcements embedded in a polymer matrix?**Answer:**

Paragraph 4 of Annex I of PED applies to the resin and fibers, as joining materials: only the requirements of points 4.1, 4.2 (a) and the first paragraph of 4.3 are to be considered.

The implementation process (filament winding, molding, etc.) of the composite material is covered by ESR 3.1.2 "Permanent joining" and therefore requires the qualification/approval of the operating procedure and of the personnel.