



## Technical Definition

Compression After Impact  
Carbon Fiber Composite

### **Instructions to participant laboratories**

Please read carefully these instructions **BEFORE** starting the tests.

1. Five impacted specimens (150 x 100 x 4,4 mm) are supplied to each participant – 5 results must be provided. In case of exclusion of a test specimen results by yourself, you shall provide a short root cause analysis.
2. The specimens have to be dried during 48 hours (0/+10) at 70°C (+/- 3) and tested within the next 8 hours after the drying.
3. All tests have to be performed at room temperature in accordance with the requirements of AITM 1-0010 issue 3.

The tests shall be performed respecting the following conditions:

- One operator only
- One testing machine only
- Tests performed in sequence

Nominal thickness : 4,416 mm

4. The following information need to be reported:

Characteristic	Unit	Significant digits	Mandatory / Not mandatory
Normalised compression strength after impact - $\sigma_{rn}$	MPa	XXX,X	Mandatory
Break Failure Point - $P_r$	N	XXX	Mandatory
Compression failure mode	N/A	N/A	Mandatory
Picture of the testing tool (to be uploaded in the results form)	N/A	N/A	Mandatory

5. Testing shall start as soon as test specimens are received. All participant laboratories must supply results by August 31<sup>st</sup>, 2017.
6. Instructions for submission of results are detailed on the website:
 

<https://ptpscheme.com/>
7. The sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.
8. The tested specimens do not need to be sent back to PTP.