



Technical Definition

Climbing Drum Peel Test
Carbon Fiber Composite

Instructions to participant laboratories

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

- Five specimens in composite material (300 x 75 x 13,4 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.
- All tests shall be performed at room temperature in accordance with the requirements of EN 2243-3 (2005).
If your peeling tool is different from the one required in the EN 2243-3, you have to inform your sponsor before testing.

The tests shall be performed respecting the following conditions:

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

- 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.
- Each participant is required to report the following parameters:

Characteristic	Unit	Significant digits	Mandatory / Not mandatory
Specimen dimensions	mm	X,XX	Mandatory
Tools dimensions	mm	X,X	Mandatory if different from the standard
F₀ - The load necessary to bend the skin alone F₀ has to be measured directly on the specimen	N	XXX,X	Mandatory
F₁ - the mean load obtained during the test	N	XXX,X	Mandatory
F – The value of peeling load F is calculated by the following equation : $F = F_1 - F_0$	N	XXX,X	Mandatory
τ – the peeling strength shall be express as follows $\tau = F/W$	N/cm	XX,X	Mandatory
Fo measurement curve (to be uploaded on the results form)	N/A	N/A	Mandatory
Recording of load versus cross-head displacement (to be uploaded on the results form)	N/A	N/A	Mandatory
Location of failure	N/A	N/A	Mandatory
Nature of failure with estimated percentage of failure in cohesion and/or adhesion in adhesive or primer	N/A	N/A	Mandatory

Note : The determination of **F₁** is performed by calculating the mean value of the load between 25 mm and 150 mm crosshead displacement, measured starting from the point where the load has reached the first peak.



***Kit Climbing Drum Peel
PTP 2017***

Technical Definition

Climbing Drum Peel Test
Carbon Fiber Composite

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

<https://ptpscheme.com/>
7. To ensure confidential treatment of results in the final report, each participant lab will be provided with a unique identity number at the moment of his registration to the program.
8. The sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.
9. The tested specimens do not need to be sent back to PTP.