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Certificate of inflammability class and Smoke gas toxicity for HPL composite in the quality Print HPL F1 in the thickness from 0.8 to 10.0 mm

The fire laboratory of RST Rail System Testing GmbH carried out fire tests at diverse test specimen from type **Print HPL F1** in order of ABET GmbH in April/ May 2012.

All tests included the test necessary methods for evaluation inflammability class and smoke gas toxicity according DIN 5510-2 (05/2009).

The test results were documented in the following test reports:

Test method DIN 54837

P60-12-0343; P60-12-0344; P60-12-0345; P60-12-0346 and P60-12-0348 includes specimen in different thicknesses.

The evaluation according to DIN 5510 part 2 (05/2009) for each tested thickness were

Inflammability class:	S4
Smoke development class:	SR2
Class of the capacity of forming drops:	ST2

Test method DIN EN ISO 5659-2 connected with DIN 5510-2 appendix C and D

P60-12-31643; P60-12-3160; P60-12-3161; P60-12-3162 and P60-3164 includes specimen in different thicknesses.

By all tested specimen the complete measured smoke gas components to reach **FED values < 1**.

With its declaration of conformity from 6th June 2012 the company ABET GmbH to assure, that the inspected specimen are representative for Print HPL F1 quality, which is manufacture according the requirements of EN 438-1:2005.

Based on this declaration and the test results we are able to certificate in accordance with DIN 5510 part 2 point 5.2.1 the same fire behaviour for

Print HPL F1 in thickness range from 0.8 to 10.0 mm.

Only, combined with the listed test report this certificate will be valid till 31th May 2015.

Gert Schmidt
Head of Fire Lab