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	NON-WOVEN FR	Revision nr : 1
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Technical report

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Prepared By

Chemical Engineering Department

Subject

This report was issued upon the request of Verbo BV dated 07.12.2021 for the conformity of their **Nonwoven FR (White 180 g/m²): Self Adhesive Temporary Surface and Floor Protection Mat/Nonwoven** to DIN 4102: Fire Behavior of Building Materials and Elements.

Sample Description and Analytical Results

Samples of Nonwoven FR (White 180 g/m²): Self Adhesive Temporary Surface and Floor Protection Mat/Nonwoven were cut to prepare specimens and tested in accordance with DIN 4102. The results of the analyses are summarized in the table below.

Sample	Analyzed Property	Limit / Result
Nonwoven FR (White 180 g/m ²)	Fire Behavior	B1 / Pass*
<p>*Fire behavior analyses have been performed in accordance with DIN 4102 Standard. Commercial propane-butane mixture has been used. Specimens having dimensions of 190*1000 mm were brought into chimney configuration as described in the standard and flames were applied from 32 ejectors for a duration of 10 minutes. During the analyses, the stack gas temperature remained below 200 °C, flames did not reach more than 1.0 m height, and percentage destruction remained below 85%. Based on these observations, it was concluded that the tested specimens conform o DIN 4102 and can be classified as class B1.</p>		