



Effect of thermal ageing on water vapour resistance of air barrier paper

| Requested by: Eltete Oy



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Task **Effect of thermal ageing on water vapour resistance of air barrier paper**

Sample A sample of air barrier paper (90 g/m² + 15 polymer+90 g/m²) was delivered to VTT by the Customer

Performance of the task The effect of thermal ageing on water vapour resistance of the air barrier paper was determined according to the standard proposal prEN 13984 *Flexible sheets for waterproofing- Plastic and rubber vapour control layers- Definitions and characteristics* point 5.7.1. The conditions during the water vapour resistance test were +23 °C, 50/93 %RH.

Results Results are presented in table 1.

Table 1. Water vapour resistance of the air barrier paper.

	Water vapour resistance, Z m ² sPa/kg
Reference	5*10 ⁹
After ageing (12 weeks at +70 °C)	5*10 ⁹

Discussion

The water vapour resistance of the air barrier paper did not change during the ageing and fulfills the requirement given in the standard proposal prEN 13984 (maximum ± 50 % change in water vapour resistance).

Espoo, 7.2.2005


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