

■ Applicant

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■ Product

Three samples are supplied:

- Standard ceiling tile
- Vinyl ceiling tile
- Yesycleaner tile (gypsum tile with surface treatment)

■ Test

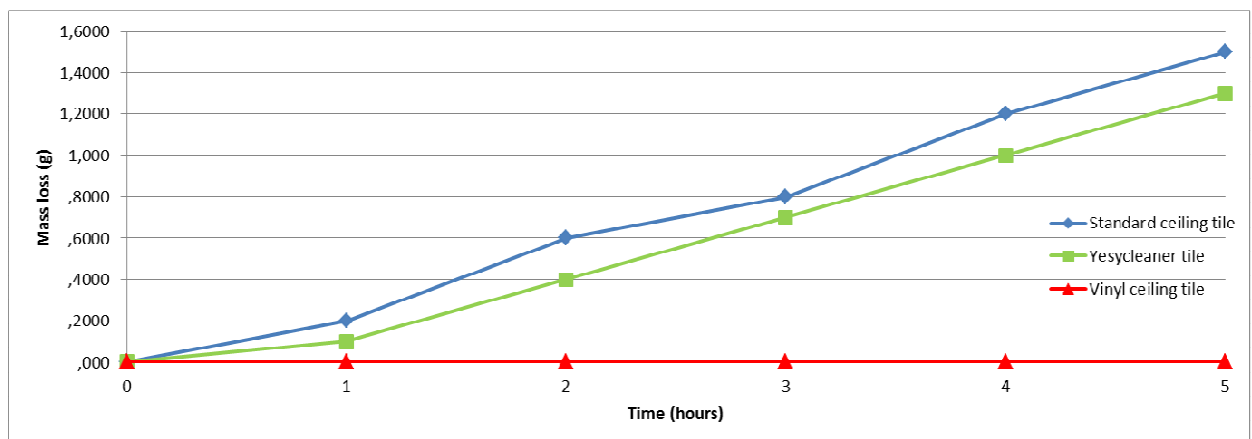
Water vapour permeability (procedure based on specific regulations for construction materials: EN 12572, EN 12086, EN 1015-19).

Method

- A saturated solution of KNO_3 is prepared and introduced into a plastic box.
- The container is closed using the corresponding tile as a cover, applying silicone along the perimeter in order to hermetically seal the system.
- The system is weighted each defined time interval, thus allowing to obtain a graphic showing the mass versus time. The test is concluded when conditions became stable, that is, when three consecutive points in the graph form a straight line.

■ Results

The following graph shows the mass loss allowed by each one of the studied tiles along the time:



■ **Conclusions**

The obtained results allow to draw the following conclusions:

1. The pass of water vapour through the structure of vinyl ceiling tile is totally blocked.
2. Yesycleaner tile is permeable to the water vapour, its exchange capacity being 13,3% lower than the capacity of the standard ceiling tile.



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