

## Accepted Manuscript

Title: Modelling of Transport Mechanisms and Drying Shrinkage for Multilayer Ceramic Membrane Structure

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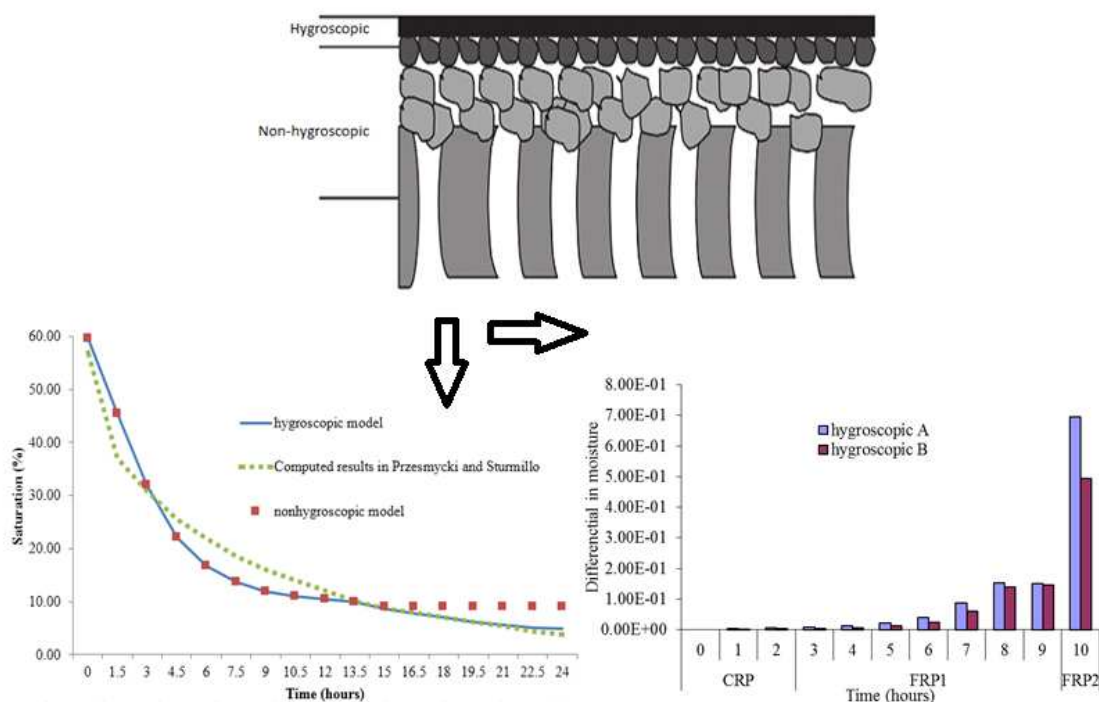
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# Graphical Abstract



The present study revealed the evolution of dynamic drying variables in the hygroscopic and non-hygroscopic multi-layer ceramic structure is strongly associated to the different properties of both layer structures. A strong relationship between drying variables and the possibility of deformation or cracking in the multilayer dried body was presented by correlating the drying variables evolution in the fully coupled model with the strain mechanism.

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