



## Anti-condensation, Thermal Insulation and Intumescent Coating [

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text (article)

Analítica

A formula of a paint for interior use for roofing sheet zinc was optimized. The properties developed and optimized were thermal insulation, anticondensation capacity and fire-retardant properties. A fire-retardant latex coating was used as the formulation base and three types of fillers were investigated: hollow glass microspheres, hollow ceramic microspheres and expanded perlite. The thermal transfer coefficient of the different coatings, the water absorption capacity and the thermal flame transmission were evaluated. From the results, it was determined that the formulation with the best performance, both in thermal insulation and in water absorption capacity, was the one that contained expanded perlite. Regarding the thermal transmission due to the action of the flame, no significant difference was observed between the different loads used

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### **Baratz Innovación Documental**

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- [informa@baratz.es](mailto:informa@baratz.es)