

# FRONTAGE INSULATION- FRENCH NAPOLÉON HOUSE TYPE

Val d’oise, France

2017

Private building / House

Planet Supra White, Matte finish

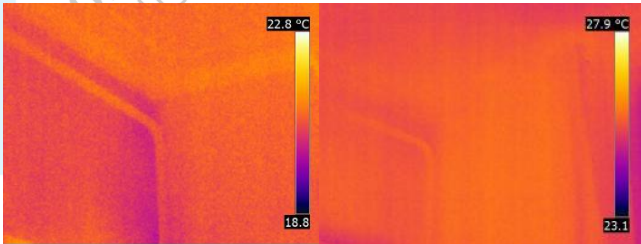
## PROJECT DESCRIPTION / NEEDS

The house was built in 1850 with a combination of wall stone and sand mortar. During summer, the inside temperature increased around 28-29°C. During winter, the house can get very cold, with high hygrometric values. Due to this big gap between high and low temperature, several damage appeared over the years because of a lot of those thermal bridges. Due to the fact that this house is classified as an historical building, no drilling, sticking or usual insulation solution could be accepted to solve this issue, but Planet Supra.



## APPLICATION / UTILIZATION

At first, a technical audit was realized with a FLIR branded thermal camera. This inspection was realized from the inside of the building. Then, two coats of Planet Supra with white color matte finish was applied on the outside wall. A second audit with the thermal camera inspection clearly showed the benefits. Thermal bridges were eliminated after Planet Supra had been applied. Even if the paint is waterproofing the façade, the properties of Planet Supra help the wall breathe by bringing out the water vapor from the inside. In summer, the peak temperature had decreased from 29°C to 23°C (with equal conditions).



Main products / systems used:  
 PLANET SUPRA White mat finish  
 Over 95% of reflectance

## CUSTOMER BENEFITS

The house is cooler by an average of 6°C during summer. By decreasing the humidity level inside, Planet Supra had reduced by 15 % the heating energy consumption during winter. The ROI is 6 years.