Refurbishment of Existing buildings

Interior thermal insulation in situ with VIP
REFURBISHMENT OF THE EXISTING BUILDING STOCK

Content

The « climate » challenge, towards 2050!

The French context

Interior thermal insulation

Our trials...

The challenge of a 1-day-jobsite!
REFURBISHMENT OF THE EXISTING BUILDING STOCK

The « climate » challenge, towards 2050!

The objective

carbon neutrality in 2050 (Paris agreement)

The journey for the existing buildings

1/ Reduce the energy consumption
2/ Go towards the renewable energies

Reduce the energy consumption

Massification of the thermal insulation!
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The French context

The target

The building sector: first energy consumer!

The dwelling stock...

≈ about 10 millions dwellings to insulate from the inside*

≈ 32 millions existing dwellings
≈ 20 millions < 1st thermal regulation
≈ 50 % are not suitable for external insulation!

*caution to the vapour migration in function of the composition of the original wall
REFURBISHMENT OF THE EXISTING BUILDING STOCK

Interior thermal insulation

The constraints when doing it in situ
- Noises / constraints for the occupants
- Implying other works
- Space taken on the occupants’ living space
- Time of the works, drying time

One solution!
- Industrial process to prepare the work!
- Setting up the VIP as dry solutions!
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Our trials…

2007 Paris

2009 Villejuif

2011 Paris
The 1 days jobsite!

2013 Nantes, our offices!

2015 Paris, NEW
The 1 day jobsite!

2017 Nantes

2018 Bordeaux
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*Interior insulation in situ:*

« VIP = The challenge of a 1-day-jobsite! »

https://www.youtube.com/watch?v=BiQD7MhDonI
2’14”

https://www.youtube.com/watch?v=FDqoJY-79uU
1’40”
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Less studies, more jobsites!