



Let us you present some considerations from direct experience of Italian various building yards

## 1) Construction speed

Agip Petroli had ongoing the construction of a school in Mostacciano – Rome. To build the external walls (with lateritious block, 30 cm thick), the partitions between the classes (with lateritious block, 20 cm thick), and all the plasters with an average thickness greater than 2 cm per side, Agip Petroli scheduled a construction period from December to May, totaling over five months with a team of 6 -7 workers. *To finish wiring & piping and to deliver the finished school, Agip Petroli scheduled September.*

We have shown to Agip Petroli that **IPERBLOCK** was better in terms of technical performance and building time than lateritious block:

- **IPERBLOCK**, 30 cm thick: thermo - acoustic insulation is higher more than 50 % the quality of lateritious block, 30 cm thick
- **IPERBLOCK**, 15 cm thick: thermo-acoustic insulation is higher than 35 % the quality of lateritious block, 20 cm thick; resistance to break through is 20 % stronger than the lateritious block, 20 cm thick
- needed building time is less than 50 %, compared to lateritious block; costs are lower

Agip Petroli accepted **IPERBLOCK**.

On 20<sup>th</sup> December, a team of 5 workers started the building phase; on 20<sup>th</sup> January, all the walls & partitions were finished; after wiring & piping, in 12 days all the plasters were made, (instead of plaster thickness 2 + 2 cm per side, **IPERBLOCK** needed only a plaster thickness of 7 - 8 mm per side).

*Agip Petroli delivered the finished school in mid-March!*

## 2) Use of **IPERBLOCK** in building yard

**IPERBLOCK** workability is equivalent to the wood's one and warrants a "production waste in building phase" (so-called scraps) very few, since the sawn piece is completely usable.

In a traditional yard, after the construction of walls & partitions, the scraps amount to more than 5 %; **IPERBLOCK** shows scraps less than 1 % !

Bristol Meyers Squibb had to build 1,000 square meters of partitions between various offices and medicinal warehouses in its facility in Anagni. After building with **IPERBLOCK** 25 cm thick, (alternatively, the construction was with lateritious block, 30 cm thick), the recovered scraps were equivalent of about 18 blocks, totaling less than 400 kg, (instead of about 14 ton of lateritious block!)

## 3) Cleanness in building site

For wiring & piping, normally you have the following results:

- A worker - armed with milling machine - needs about 8 hours for making the chases of electrical & phone wiring + thermal & hydraulic piping in 100 square meters flat, and produces about 3 - 4 barrows of scraps which must go to authorized dump! In addition, walls on which were carried the chases are "ravaged" and they need more time and a greater amount of plaster to finish of the wall.
- The same worker - armed with the same machine - needs about 3.5 hours for the same work. As the chase is with the wanted width and depth thanks to the workability, (exactly it is possible to realize the chase, for example: adjusting the machine with dimensions 2.5 cm wide, 3 cm deep), the scraps from the chase produces about 50 - 60 grams of lime powder per meter of chase! The powder can be recovered in the plaster or in closing of the chase. There is nothing to bring to authorized dump. The wall can be finished in a very simple and immediate way.

## 4) Other performances in the yard

The company Atellana - Naples has built the new wing of Maggiore Hospital in Bologna, more than 15 floors, using **IPERBLOCK** 25 cm thick for walls and partitions, instead of lateritious block 30 cm thick. The results are energy savings over 50 % during all the year, in winter & summer time!

Moreover, compared with traditional lateritious brick, **IPERBLOCK** warrants that the walls & partitions load on frame and foundation of the building are reduced by over 15 % !

Sede operativa: Via Osteria della fontana 75, 03012 Anagni; Sede legale: Via del Poggio Laurentino 18, 00144 Roma  
Cod. Fisc. e P. IVA 07744541009 – R.E.A. 1053617

[www.iperblock.it](http://www.iperblock.it)

[export@iperblock.it](mailto:export@iperblock.it)

[info@iperblock.it](mailto:info@iperblock.it)

[commerciale@iperblock.it](mailto:commerciale@iperblock.it)