

Product details

	Products	Description	Dimensions and Quantities
1	Lime-based aerated autoclaved products: blocks, architraves, slabs	<p>Lime-based IPERBLOCK® is characterised by:</p> <ul style="list-style-type: none"> ➤ excellent thermal insulation, high vapour permeability, high acoustic insulation, non-flammable, exceptional fire resistance; it guarantees maximum home comfort with minimum energy consumption ➤ exceptional bio-compatibility; it prevents the formation of mould and bacteria, guarantees maximum health and hygiene of the environment and home site ➤ lightness, high mechanical strength, simple construction, maximum workability, considerable reduction in construction times, considerable cleanliness of site, enabling real savings in the construction industry 	<p>Blocks Length: 625 mm Height: 250 mm Thicknesses: 50, 75, 100, 115, 125, 150, 175, 200, 230, 250, 300, 345, 375, 400 mm</p> <p>Slabs Lengths up to 6000 mm</p>
2	Thermal insulation	<p>IPERTERM is the new thermo-acoustic insulation product, light, bio-ecological, formed by granules of lime-based IPERBLOCK® with size 1.2-4.7 mm or 1-14 mm, dry density 450-500 kg/m³, thermal insulation from 0.13 to 0.16 W/m²°C, compressive strength from 0.5 to 2.5 N/mm², Class 0 fire reaction, either for dry use or mixed with cement. Enables a 50-70 % reduction in the use of cement for the construction of screeds and/or lightweight sub-bases!</p>	<p>Packaging 1) 40 litres sacks 2) 2 m³ bags</p>
3	Granulates	<p>Calcium aluminosilicate-based absorbent granulate, with controlled grain size; enables absorption of considerable quantities of fluid. Guarantees a fast absorption and removal of liquids accidentally spilled on floors. It is suitable both for watery substances and oily emulsions. It is non-flammable and non-toxic; it is completely biocompatible – as certified by the University of Perugia – may also be marketed as a product suitable for animal use; it is also inert and does not release harmful substances during tests.</p>	<p>Packaging 1) 40 litres sacks 2) 9 litres sacks 3) 10 kg buckets</p>

Company profile

Italgasbeton was founded to manufacture and to trade **lime-based IPERBLOCK®** aerated autoclaved lime building products. They are produced by means of an innovative industrial process based on many years of research carried out with the Faculty of Materials Engineering at Rome University.

Lime-based IPERBLOCK® has a completely original composition when compared with other similar products: it uses mainly lime, reduces the use of cement and completely eliminates gypsum.

Compared with any other construction material, **lime-based IPERBLOCK®** allows:

- a) during production phase: 65 % energy saving, 75 % reduction of carbon dioxide, 70% improvement in environmental protection
- b) during construction phase: 40% money saving, 80 % reduction of time of construction, 30% improvement in environmental protection
- c) during housing phase: 45 % energy saving, 45 % improvement in quality / comfort / hygiene

Other informations

Lime-based IPERBLOCK® is absolutely original and has received:

- recognition by the E.C.U. Commission in 1986
- quality compliance with the DIN standards - L.G.A. institute of Numberg in 1995
- "Passive House" Award by Lazio Region in 2003 for twin-family houses built with **IPERBLOCK®**
- Award of INNOVALAZIO in 2005 and 2006
- "AWARDS for EXCELLENCE" from CONFINDUSTRIA in 2006 and in 2011