

LAMGEA TECHNOLOGY FOR PRODUCTION OF BIG TILES & SLAB

This is a presentation of System's technology Lamgea for the production of ceramic big tiles and slab surfaces. System Spa introduces this technology in the market 13 years ago, and specially in the last 3 years we made relevant numbers of installations and this technology is spreading well all over the world.

Thanks to Lamgea technology is possible to produce big size ceramic slabs, in variable thickness from 3 to 30 mm, and with dimension up to maximum size 1600x4800 mm, with very high production capacity.

After the press, the slab can be handled and produced in its big entire dimension, or green cut in subsizes, according to the necessity of the customer and the final destination of use, allowing the customer to be free to decide whatever thickness he needs to produce irrelevant by the size

The main technical characteristics and advantages of the ceramic product realized with our technology are:

- No residual tension inside the body after the press
- Limited caliber variation at kiln exit: +/- 2 mm (optimization in rectifying process)
- Great planarity of the product (optimization in polishing/full lappato process)
- Possibility of structured relief surfaces, with structures up to 2 mm depth, in high resolution
- Possibility of production big size in lower thickness, with great saving of raw material, great saving of energy (electrical and gas), transport cost (lighter material)

Moreover, here below the main advantages and plus point of our Lamgea technology:

- Press functionality easy to learn
- Simple process to manage and very stable over the time
- Use of standard body: no additive nor specific composition
- Standard body humidity 4 – 6%
- No foundations requested
- 100% wastage recovery
- Reduction of greenhouse emissions

The products realized with our technology can have several different destination of use, such as wall and floor application, outside façade, countertop for bathrooms and kitchens, interior furnishing and complements