

MB 001¹

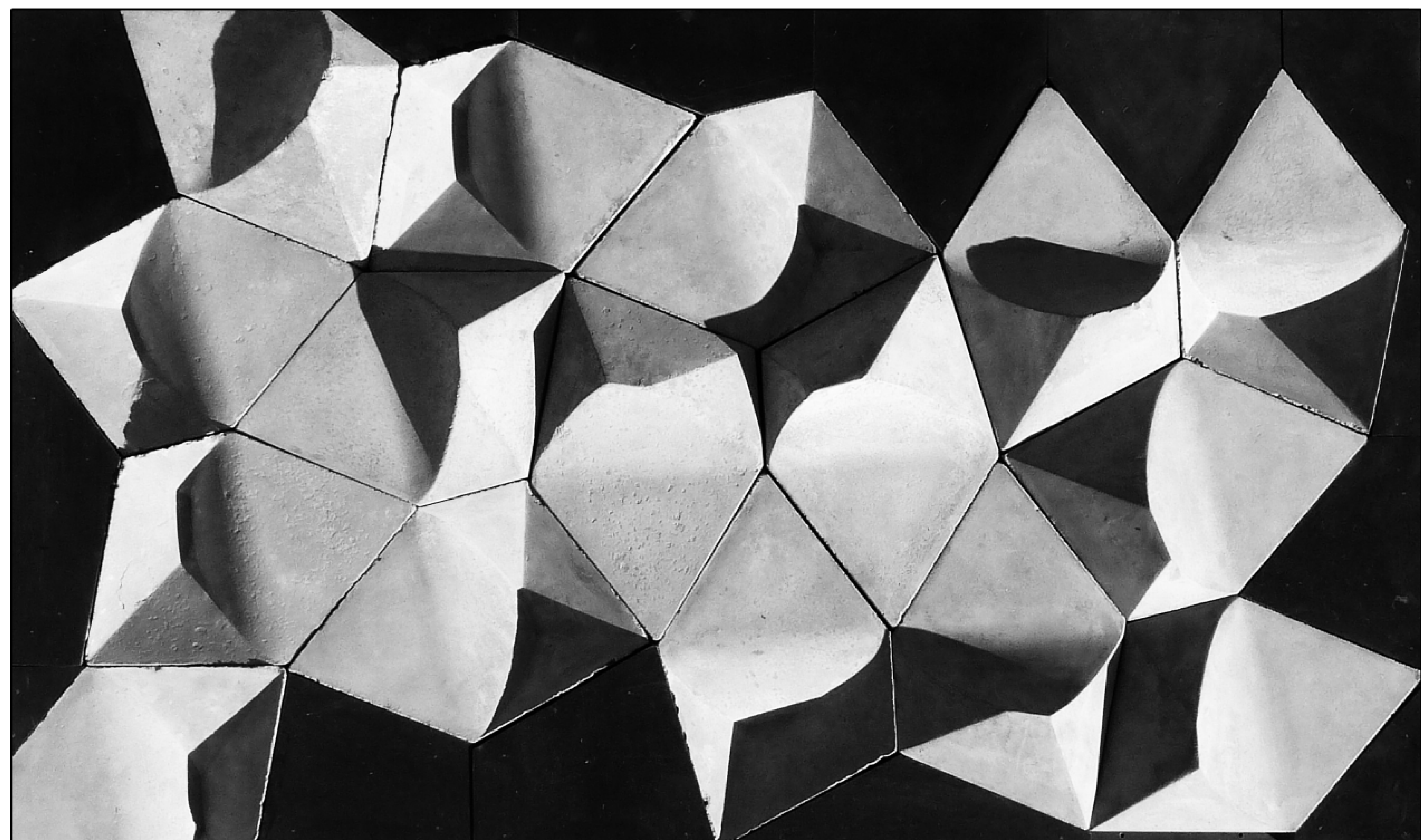
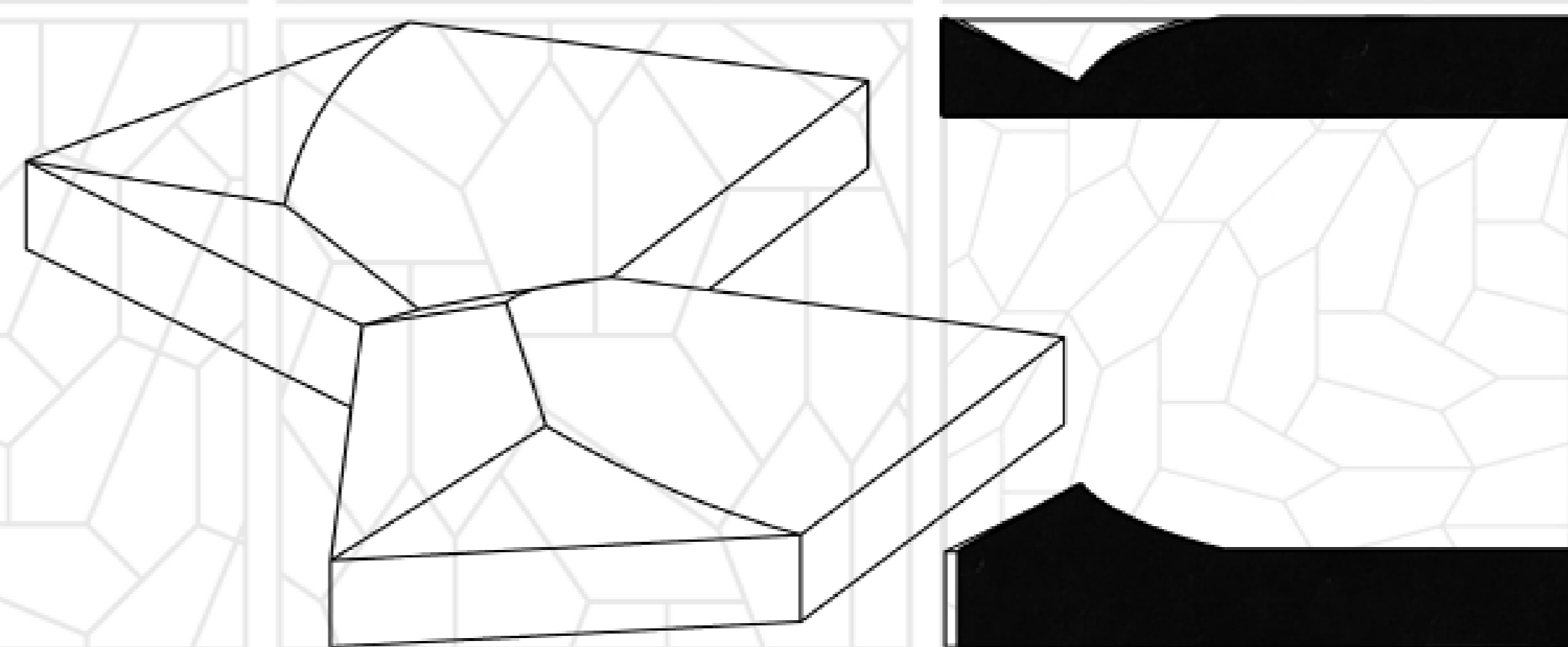
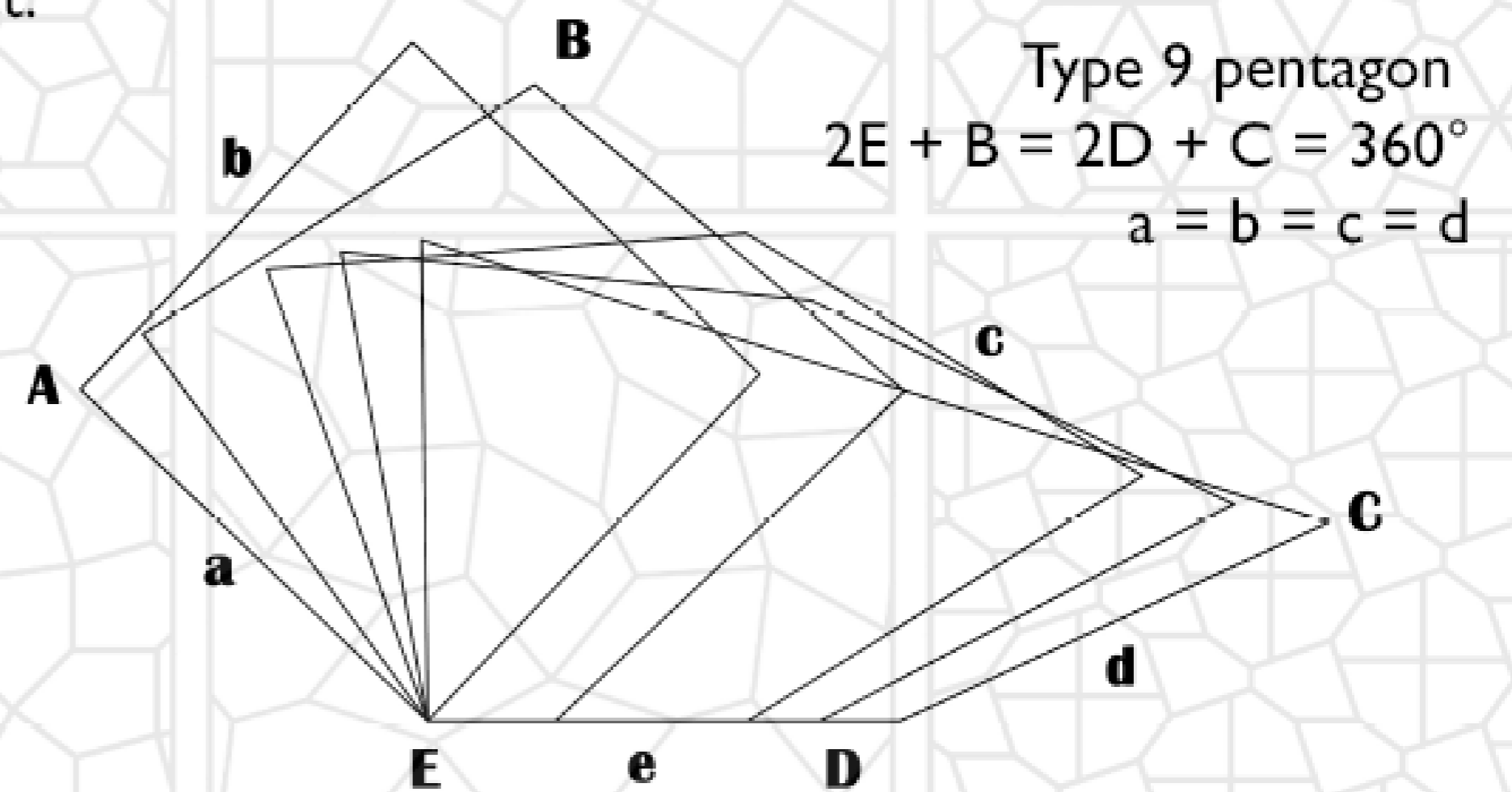
FROM SKIN

For the body as for the building, skin is there to protect from weather all the while serving as an interface between the inside and the outside, providing a sense of touch. In other word, providing **Tactility**. Thanks to its vast formal possibilities, concrete made possible this formal research based on the complex and ever-changing tessellations of the epiderm. It is a study where those interlocking different shapes are translated into a rational, geometrical approach while retaining their sensitive aspect.

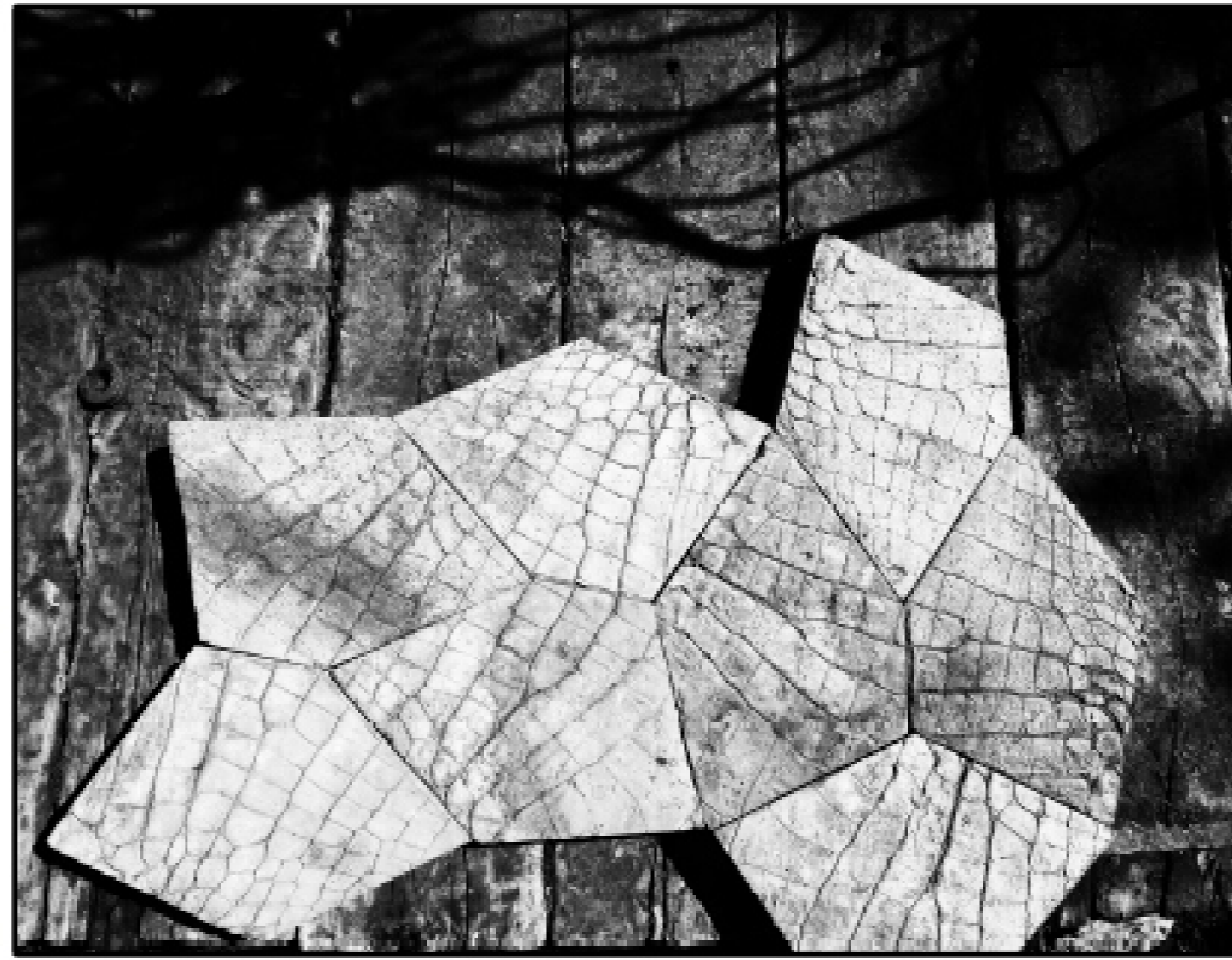
Due to its inability to pave the plan in its regular state, the pentagon was the ideal candidate for striking compositions. There is 15 types of irregular pentagonal tiling. While some are just plain dull, there are a multitude of formally interesting options. Each of these options possess a large range of subtle variants.

The formal possibilities are near endless.

MB001 is a modular wall tile that consists of irregular type 9 pentagons with angled slopes of varying heights creating a sense of depth and texture. Its vibrant, geometric finish entertains the eye with a multitude of light and dark reflections that create layered patterns similar to natural scenery, microscopic tessellations or crystal formations. With just one shape declined in a positive and a negative position, the concrete allows for a multitude of composition and plays with light and shadow.



MB 001² TO SKIN



Ground Tiling

The geometric modularity of those 15 types of pentagon may allow for intricate ground tilings in urban exterior and interior study.

On the right figure, a real crocodile skin pattern was molded onto the tiles to study the capacity of the system to expand coherently, to provide a non-slippery surface and to furthermore explore the concept.



Wall Tiling

The multiplicity of composition and formal variants allow for a capacity to dynamically cover large surfaces of blind wall without it seeming dull and boring.

The curved surfaces and slopes gives even more flexibility to the design allowing for composition in 3d with fluid-like movement or more chaotic topology.

Acoustic efficiency

The relief of the wall tiles not only plays with light and shadow but also provides an acoustic efficiency. The curved surfaces and slopes break the way of the sound and thus impach reverberation and echo.

