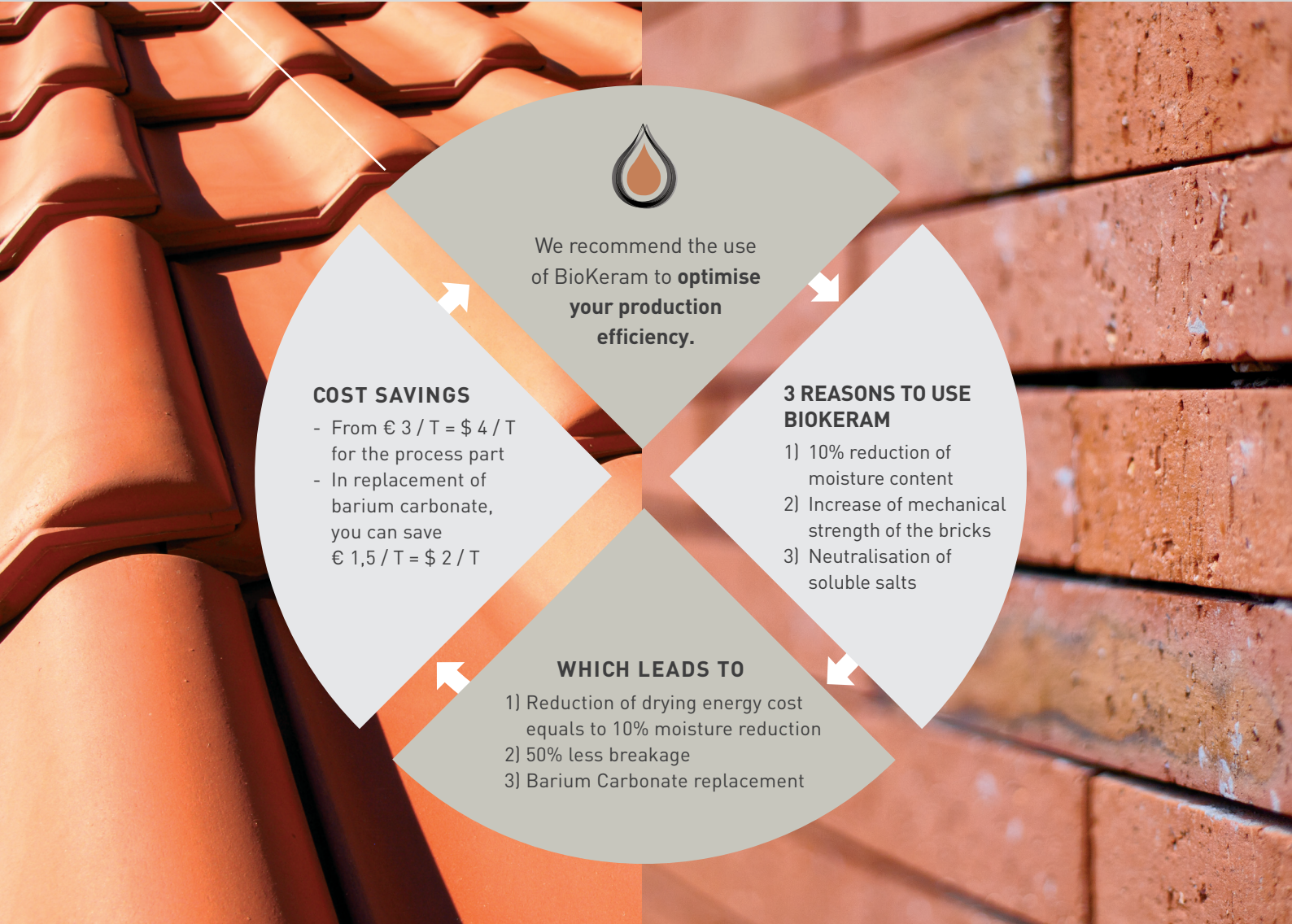


STRUCTURAL

Adapted for both extruded and soft mud facing bricks, in roof tiles, pavestones, façades and big format bricks.



BENEFITS

GREEN/WET

- Flexibility to use less plastic clays
- Increased extrusion rate
- Increased green strength
- Improved clay workability
- Increased life of wearing parts
- Reduced energy consumption
- Reduced need for die lubrication
- Reduced waste
- Reduced water

DRY

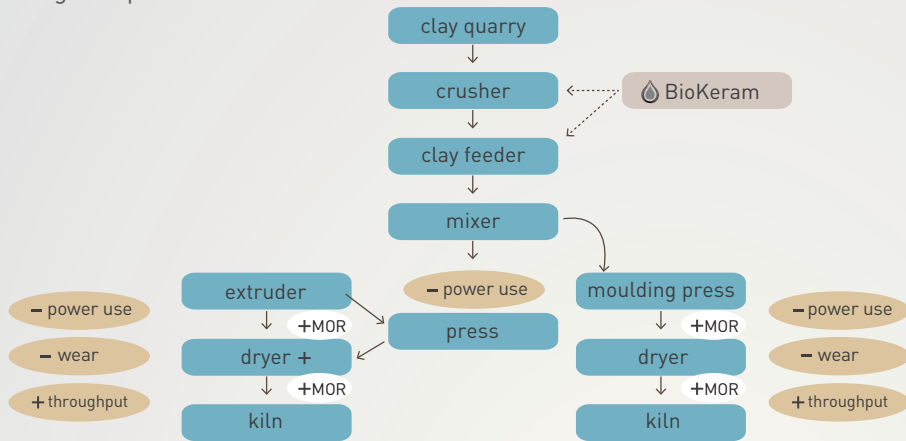
- Elimination of salt scum
- Faster and safer drying
- Increased body strength
- Reduced breakage
- Reduced chipping
- Reduced cracking
- Reduced handling damage



STRUCTURAL

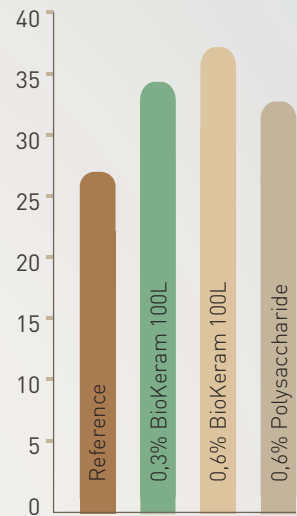
PROCESS DESCRIPTION

Benefits of using BioKeram along the process

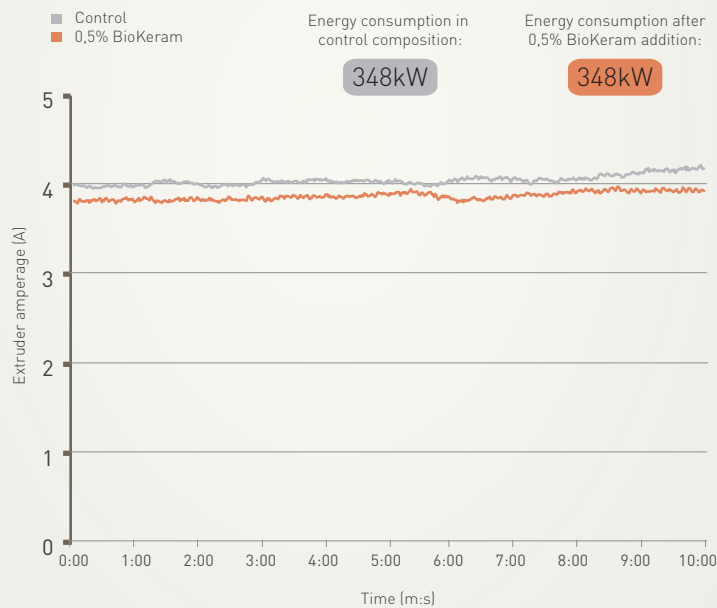
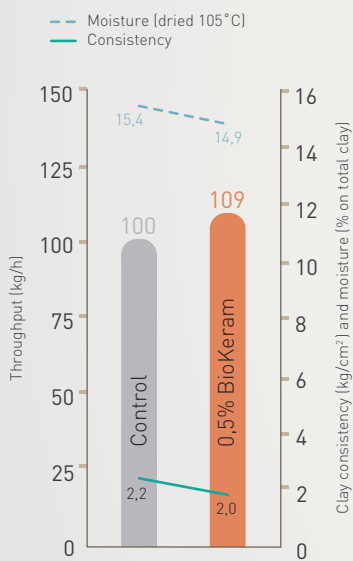


MECHANICAL STRENGTH

Sandy Clay Dry Flexural Strength [Kg/cm²]



LOWER WATER DEMAND, HIGHER THROUGHPUT AND LOWER ENERGY CONSUMPTION



ANTI-SCUMMING PROPERTIES OF BIOKERAM



PERFORMANCE OF BIOKERAM ON DIFFERENT TYPES OF BODY MIX	TYPE OF BODY MIX	INCREASED EXTRUSION RATE	REDUCED POWER CONSUMPTION	REDUCED WATER OF PLASTICITY	INCREASED GREEN STRENGTH	INCREASED DRY STRENGTH
	Alluvial, fatty clay	2,5%	10,9%	1,6%	19,4%	21,9%
	Carboniferous clay	42,0%	21,8%	1,0%	32,1%	9,6%
	Sandy, short clay	12,5%	45,1%	1,6%	40,4%	46,6%
	Highly plastic clay	9,8%	12,7%	0,5%	13,8%	12,9%
	Clay/shale blend	8,7%	13,8%	0,6%	15,5%	189,0%
	Coal measure shale	16,5%	25,8%	1,7%	48,0%	61,6%