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Text of the abstract

Process for manufacturing highly porous slaked lime comprising a feeding step of quicklime, a feeding step of water in a feeding zone of a hydrator, a slaking step of said quicklime in a slaking zone of said hydrator, removing step of vapour generated during slaking step along the slaking zone and a maturation step in a maturation zone of said hydrator to form slaked lime, wherein the water to quicklime ratio by weight ranges from 0.8 to 1.3.