

Title (en)

Airless spray-coating of a surface with a viscous aqueous architectural coating composition

Title (de)

Luftloses Spritzverfahren einer wässrigen Beschichtungszusammensetzung hoher Viskosität

Title (fr)

Méthode de pulvérisation sans air d'une composition de revêtement aqueuse visqueuse

Publication

**EP 1625891 B1 20140108 (EN)**

Application

**EP 05076856 A 20050810**

Priority

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- EP 05076856 A 20050810

Abstract (en)

[origin: EP1625891A2] A process for the airless spray-coating of a surface with a viscous aqueous non-Newtonian architectural coating composition wherein the composition contains a preferably associative thickener and is subjected to a pressure of from 2.5 to 5 bar generated preferably by hand-operated compressor and then sprayed from a preferably slot-shaped outlet orifice (52) in a nozzle (50) to produce an outflow (31) of composition having boundaries (35) which diverge at least until it has formed a front of at least 30mm in width. The composition preferably has a Brookfield viscosity of at least 0.5 pa.sec and a solids content of 7 wt %. Also apparatus for performing the process comprising a container containing the coating composition together with a nozzle having an outlet orifice, a hand-operated compressor and a pressure release valve actuatable in the pressure range 2.5 to 5 bar and preferably an auxiliary orifice upstream of the outlet orifice. The process and apparatus enable the viscous compositions to be applied quickly using low pressures easily generated by a hand compressor.

IPC 8 full level

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