

ABSTRACT

METHOD FOR PRODUCING PIGMENTARY PARTICLES THAT ARE
SELF-BINDING, DRY, OR IN AQUEOUS SUSPENSION OR DISPERSION,
5 AND CONTAIN INORGANIC MATERIALS AND BINDING AGENTS

The invention relates to a method for producing pigmentary particles that are self-binding, dry, or in an aqueous suspension or dispersion, and contain at least one inorganic material and at least one binding agent, said method comprising the following steps:

- 10 a) at least one aqueous suspension of at least one inorganic material is formed and introduced into a grinder for step c),
- b) at least one aqueous solution or suspension or aqueous emulsion of at least one binding agent is formed or taken and introduced into a grinder for step c),
- c) the aqueous suspension(s) obtained in step a) are ground together with the at
15 least one aqueous solution or suspension or emulsion obtained in step b) in such a way as to obtain an aqueous suspension of self-binding pigmentary particles,
- d) optionally the aqueous suspension or dispersion obtained in step c) can be ground with at least one aqueous solution or suspension or emulsion of at least one binding agent,
- 20 e) optionally the aqueous suspension obtained in step c) or step d) can be dried,
- f) the concentration of the aqueous suspension obtained in step c) or d) is increased by a thermal or mechanical concentration method, and
- g) the aqueous suspension obtained in step f) is dispersed by means of at least one dispersant and/or at least one wetting agent.

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Figures 1 and 2