

ABSTRACT

Powder Coating Compositions and Their Use

A powder coating composition comprises at least one film-forming polymeric material and has dry-blended
5 therewith two or more dry-blended additives selected from solid, particulate, inorganic, water-insoluble materials which may be ceramic or mineral materials and/or may be oxides, mixed oxides, hydrated oxides, hydroxides, oxide-hydroxides or oxysalts of metals and metalloids, at least
10 95% by volume of the powder coating composition having a particle size not exceeding 50 microns.

By using combinations of dry-blended additives as specified, it is possible to alleviate, or even prevent, problems of fluidisation, handling and application of
15 fine particles (especially those of 10 micron diameter or less) and also to alleviate other problems attributable to differential and premature electrostatic charging of the powder particles caused by spontaneous tribocharging during mixing and handling.