CLAIMS

1. A plasterboard comprising a gypsum matrix having particles of agglomerated fibres embedded therein in an amount of at least 1 wt% relative to the gypsum, the gypsum matrix further comprising a polymeric additive, the polymeric additive being present in an amount of at least 1 wt% relative to the gypsum;

in which

no backing lamina is attached to either face of the plasterboard; and

the particles of agglomerated fibres are wood particles.

2. A plasterboard according to Claim 1, in which the polymeric additive is present in an amount of at least 4 wt% relative to the gypsum.

3. A plasterboard according to Claim 1 or 2, in which the particles of agglomerated fibres are present in an amount of at least 2 wt% relative to the gypsum.

4. A plasterboard according to Claim 1, 2 or 3, in which the length of the wood particles is in the range 0.5-25 mm.

5. A plasterboard according to any preceding claim, in which the thickness of the wood particles is less than 4 mm.

6. A plasterboard according to any preceding claim, in which the plasterboard further comprises glass fibres.

7. A plasterboard according to Claim 6, in which the glass fibres are present in an amount of at least 1 wt%.

8. A plasterboard according to any preceding claim, in which the polymeric additive is selected from group comprising polyvinyl acetate, poly vinyl acetate-ethylene co-polymer, polyvinyl pyrrolidone crosslinked with polystyrene sulfonate, polyvinyl alcohol, methyl cellulose, hydroxyethyl methyl cellulose, styrene-butadiene copolymer latex, acrylic ester latex, acrylic copolymer latex, polyester resin, epoxy resin, polymethyl methacrylate, polyacrylic acid, cationic starch, ethylated starch, dextrin and mixtures thereof.

9 A plasterboard according to any of Claims 1 to 7, in which the polymeric additive is starch or polyvinyl acetate.

10. A plasterboard according to Claim 9, in which the polymeric additive is polyvinyl acetate.