CLAIMS

1. Gypsum plaster-based material, **characterized in that** it contains a mixture of casein and active charcoal, wherein the total amount of casein and active charcoal ranges from 0.01 to 40 parts by weight per 100 parts by weight of plaster, and the casein represents at least 0.1% by weight of the mixture of casein and active charcoal.

2. Material according to Claim 1, **characterized in that** the total amount of casein and active charcoal ranges from 0.1 to 20 parts by weight per 100 parts by weight of plaster, preferably from 0.5 to 10 parts.

3. Material according to Claim 1 or 2, **characterized in that** the casein represents 1.0 to 60% by weight of the mixture of casein and active charcoal.

4. Material according to one of Claims 1 to 3, **characterized in that** it also comprises the following additives in the following weight proportions, expressed per 100 parts by weight of plaster:

- 0.1 to 15 parts of an adhesion agent, for example a starch, especially pretreated with an acid, a dextrin or a vegetable flour,

- 0.001 to 10 parts of a setting accelerator, for example hydrated calcium sulfate or potassium sulfate,

- 0.0001 to 1 part of a foaming agent, for example sodium lauryl sulfate,

- 0 to 10 parts of at least one water repellent, for example a siloxane,

- 0 to 20 parts of at least one fire retardant, for example vermiculite, silica, a clay or metal fibres,

- 0 to 20 parts of at least one reinforcer, for example polymer fibres, mineral fibres, especially glass fibres, and animal or vegetable fibres.

5. Material according to one of Claims 1 to 4, **characterized in that** it is in the form of a powder, a paste or a plaster panel.

6. Material according to Claim 5, **characterized in that** it is a plasterboard.

7. Use of a material according to one of Claims 1 to 6, for reducing the amount of volatile organic compounds in the interior air of buildings.

8. Use according to Claim 7, **characterized in that** the volatile organic compounds are aldehydes, ketones and aromatic compounds.