Claims

1. A construction material granulate based on mineral grains in the form of desert sand grains, wherein a fraction of a broken granulation of desert sand is bound in a hydraulically setting binder matrix.

2. The construction material granulate according to claim 1, characterized in that the binder matrix comprises a hydraulic binder.

3. The construction material granulate according to any one of the claims 1 or 2, characterized in that the binder matrix comprises a latent hydraulic binder.

4. The construction material granulate according to any one of the claims 1 through 3, characterized in that the fraction of broken granulation of desert sand comprises a grain spectrum up to a size of 0.125 mm.

5. The construction material granulate according to any one of the claims 1 through 4, characterized in that a total fraction of up to 50 percent by mass of an unbroken granulation of mineral grains comprising an unbroken granulation of fine sand and/or desert sand is bound in the binder matrix of the granulate.

6. The construction material granulate according to any one of the claims 1 through 5, characterized in that the granules comprise a size spectrum up to a diameter of 16 mm, preferably up to a diameter of 8 mm.

7. A method for producing a construction material granulate based on mineral grains in the form of desert sand grains, wherein a broken granulation of desert sand, is provided and a fraction of the broken granulation of sand, is granulated by means of a fraction of a granulating agent forming a hydraulically setting binder matrix.

8. The method according to claim 7, characterized in that the broken granulation of desert sand, is provided by grinding in a grinding facility.

9. The method according to any one of the claims 7 or 8, characterized in that a grain spectrum of the broken granulation of desert sand having a grain size up to a size of 0.125 mm is used.

10. The method according to any one of the claims 7 through 9, characterized in that the granulating agent comprises at least one hydraulic binder and/or at least one latent hydraulic binder and water, wherein the at least one hydraulic binder and/or the

at least one latent hydraulic binder and the water are added separately while granulating.

11. The method according to any one of the claims 7 through 9, characterized in that the granulating agent comprises a binder suspension, provided separately, and formed from at least one hydraulic binder and/or at least one latent hydraulic binder and water.

12. The method according to any one of the claims 7 through 11, characterized in that at least one additive is used when granulating, selected from a group comprising: a flow agent, a concrete liquefier, an air-entraining agent, a hardening accelerator, a stabilizing agent, a sealant.

13. The method according to any one of the claims 7 through 12, characterized in that when granulating, an additional fraction of an unbroken granulation of mineral grains comprising an unbroken granulation of fine sand, particularly desert sand, is used up to a total fraction of 50 percent by mass.

14. A use of the construction material granulate according to claims 1 through 6, produced according to the method according to claims 7 through 13, as an additive in concrete production.

15. The use of the construction material granulate according to claims 1 through 6, produced according to the method according to claims 7 through 13, as bulk material for soil compaction.