

The proposed method of dressing raw vermiculite involves operations of hydrowashing, screening and grinding raw material, classification of the produced pulp according to the particle dimensions, removing slime off the pulp, and concentration of the pulp. The hydrowashing performed in a hopper, simultaneously hydrocutting the clay component of the raw material. After the hydrowashing, heavy minerals are extracted by sluicing process. The classification of the produced pulp is accomplished in several stages, using the method of hydroclassification according to particle form, and after each stage, the vermiculite packets are additionally thickened, rejected and split.