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The invention relates to building materials, in particular to reinforcement for reinforced concrete structures and a process for its manufacture.

The armature, according to the invention, comprises a bar with helical recesses on its surface. The reinforcing bar is made polyspiral in such a way that the longitudinal axis of the reinforcing bar is made in the form of a helix, and the planar cross-section of the reinforcing bar is made in the form of a polygon with the number of sides $N \geq 3$, at the same time each of the surfaces formed by the sides of the specified polygon is a longitudinal helical recess on the surface of the bar, where the pitch of helix T is determined by the relation $T = (5…20)\cdot d$, where d is the diameter of an imaginary circle, in which the planar cross-section of the reinforcing bar is inscribed.

In the process, according to the invention, the reinforcing bar is made of blanks by rolling on a lengthwise screw rolling mill, which includes an appropriate number of forming rolls, turned towards an imaginary rectilinear axis of the formed bar, at an angle $\alpha = (17…40)°$.

Claims: 10
Fig.: 2