

The invention relates to manufacture of abrasive tools on a rubber bond and is intended preferably for treatment of titanium alloys, primarily of commercially pure titanium. A composition for manufacture of an abrasive tool comprising an abrasive and as a binder - a resin and a filler, as a binder contains epoxy acrylate resin and as a filler - calcium carbonate at the following component ratio, wt. %:

abrasive	10.0-30.0
epoxy acrylate resin	8.0-75.0
calcium carbonate	15.0-80.0.

Composition for manufacture of the abrasive tool is capable of structure rearrangement and changing properties under the action of load transmitted by abrasive grains on the binder comprising them during their contact with the material being processed, thereby reducing the number of cold-welded regions, improving the surface roughness and decreasing the time required for processing, i.e. increasing the output.