

99-0286

The invention relates to the wood-working industry, particularly to processes for wood protection from decay, mould, fungi, insects and rodents.

Summary of the invention consists in the fact that it is proposed a process for wood antiseptic treatment, including impregnation thereof with aqueous solution containing chromium(VI), copper(II) compounds and ammonium chloride. Complementary, in the solution there are introduced zinc(II) compounds. In the capacity of compound solutions it is used technological waste: acid or basic solutions after chroming and/or chromium passivating processes, acid or basic copper solutions after working of printed circuit boards, solutions after zinc plating. The solutions are mixed so as to form a composition with the following component ratio, g/L:

chromium ions (calculated for bichromate ions)	1,0...3,5	copper chloride	1,0...2,0	zinc compounds (calculated for zinc ions)	4,3...7,4	ammonium chloride	5,0...7,0	sulphate ions	1,0...1,5	nitrate ions	1,0...1,5
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Then it is carried out treatment of the wood surface with a solution of soda salt and formic aldehyde, containing 10 g/L and 2...5 g/L, respectively.

The result consists in increasing wood resistance to decay, mould and fungi action, in the possibility of using industrial waste.