

INCREASE OF COMPETITIVENESS OF WALL CONSTRUCTION MATERIALS WITH USE OF PLASMA TECHNOLOGIES

Zdorenko N. M., Bondarenko N.I., Borisov I.N., Izofatova D.I., Dorokhova E.S.

Belgorod innovative and technological center "TRANSFER", Belgorod, Russia

In the conditions of a world economic crisis and sanctions of a number of the developed countries of Europe and North America in relation to Russia questions of import substitution of the domestic market competitive goods are actual [1]. In this regard, introduction in the industry of construction materials of energy saving plasma technologies allows to increase significantly reliability and durability of products, their estetiko-consumer properties, and also to lower energy consumption [2-7].

Modern housing construction provides use of wall construction materials not only with high operational rates, but also with esthetic properties. Use and introduction in production of plasma technologies will allow to solve this problem.

The technology developed by us provides use of a package the shirokofakelnykh of gas-flame or plasma torches with the coupled powder feeders allowing to make both an oplavleniye, and a dusting of decorative materials of various chemical composition.

For the purpose of decrease in energy consumption and expansion of color scale of a protective and decorative covering furnace charges on the basis of colourless and color stekloporoshk, white the burning down clays and powders of such non-ferrous metals, as aluminum and copper are developed. Napylyala powders on previously prepared concrete panel of the standard size. The received protective and decorative covering possessed high coefficient of diffusive reflection.

The technology developed by us can be introduced at any domestic enterprise for release of products from concrete and reinforced concrete without change of the operating technological line.

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