

ABSTRACT

TRANSPARENT GLAZE FOR CALLIGRAPHY PLAQUES AND USE THEREOF IN ENAMEL CALLIGRAPHY PLAQUES

The present application provides a transparent glaze for calligraphy plaques, mainly composed of following raw materials: B_2O_3 6-8%, Na_2O 19-20%, Al_2O_3 4-5%, SiO_2 40-41%, PbO 20-21%, TiO_2 7.5-8.0%, and MoO_3 1-1.2%. This formula reduces the titanium content to reduce the opacity of the ceramic glaze itself and increase its transparency, and simultaneously increases the sodium oxide content to reduce the melting point, so that it can be fired at a low temperature, thereby reducing the influence of high-temperature firing on the calligraphy content on the bottom. Moreover, the ceramic surface of the enamel calligraphy plaque made by using the transparent glaze for calligraphy plaques is delicately textured, and has high transparency, good flatness, strong sense of layering, and strong visual effect.