

THE USE OF PHOSPHORESCENT PIGMENTS IN CERAMIC GLAZES

Bekir Karasu

Eskisehir Technical University, Department of Materials Science and Engineering,
Eskişehir/Türkiye

It is a very well-known fact that phosphorescent pigments used in innovative materials are resistant to heat, atmospheric effects and have satisfactory chemical endurance. In the field of high technology and new materials scientists and researchers focus on long-lasting phosphorescent materials and their applications. They are mainly preferred as emergency signs in buildings and highways, luminous markings in watches, ceramic decoration and glazes, resins, brick and tile coatings, glasses and quartz surfaces, about which one does not see detailed information. In our country the commercial evaluation of phosphorescent pigments in ceramic industry only recently begun in the light of new and innovative final product requests. Hereby, general information of such pigments, their usage areas (mainly on conventional ceramic surfaces) and some products will be mentioned.