

Glaze Layering for Creative, Artistic Works: Frozen Pond Effect

Niti Yongvanich*, Supisara Yuennan

*Department of Materials Science and Engineering, Faculty of Engineering and
Industrial Technology, Silpakorn University, Nakornpathom, 73000,*

**niti.yongvanich@gmail.com*

Keywords: Frozen pond; Running hot chowder; Glaze; Creative; Ceramics.

With creativity and curiosity, development of new kinds of ceramic glaze is virtually limitless. Recently, a new technique called “Frozen Pond” or “Running Hot Chowder” has been getting a lot of attention among potters and ceramists. This novel glaze yielded appearance reminiscent of a frozen body of water. However, no homemade recipe was revealed as almost all artists stated that they use commercial glazes for this effect. These glazes come with a price as they have to be imported into Thailand. Inspired by this weird effect, we believed that, by using some theories of materials science, one could perform an investigation to test a hypothesis. After several trial and error, we could come up with the design utilizing two types of glaze that could be used together to somewhat create this frozen pond effect. Physical properties such as viscosity, surface tension and maturation point were likely to have an impact on the appearance of separation between the two glazes. The next step is to perform tests using different colorants to broaden the possibility of this creative work.