Formulation of Paints Using Azo Pyridone Pigments and Alkyd (Soya Beans Oil), Characterisation and Their Application on Leather

Mohammed Abdullahi Baba, Hauwa Ali,
& Halima IdrisUmaru
Department of Textile Science and Technology,
Ahmadu Bello University,
Zaria, Nigeria

Aminu Sabo Musa
Department of Textile Technology,
Kano State Polytechnic,
Kano
aminusabosm@gmail.com

***Abstract*-The use of locally available raw materials in the formulation of paint is of paramount importance as it provides job opportunity for poor local people, produce ecofriendly and biodegradable products as well as substantiates the aspect of modern biotechnology in developing countries. In this research,Paints were formulated using azopyridone complexes and soya alkyd derived fromesterification of soya oil with maleic anhydride and glycerol. The formulations were applied on leather using hand brush, and the samples produced were subsequently, subjected to physical characterisation such as density, viscosity, solubility, surface drying times, pH and light fastness and also compared with the commercial paint. The pH and the fastness property of the coatings were found to be 8 and 6-7, respectively, which is very good.**

Keywords: **Pyridone pigment, soya bean, alkyd, leather, viscosity.**

IJRS