



DOI: **10.5958/2249-7137.2021.01064.8**

RESEARCH POLYMER COATINGS MATERIAL PROPERTIES AND APPLICATION FEATURES

Makhammadjanov Khusanboy Alisherogli*

Base Doctoral Student,
Andijan Machine-Building Institute,
UZBEKISTAN
Email id: xusan7797@mail.ru

ABSTRACT

This article describes the coating processes on the working surfaces of many parts from different polymeric materials. Obtaining coatings from polymers is superior to other coatings in terms of quality, efficiency and low cost. coatings made of polymer composite materials in order to protect working surfaces from corrosion and increase the durability of service parts made of metals. They are quite resistant to chemicals, so it will not be possible to remove the polymer layer with a solvent. The coating can only be removed with a special tool. Pural is not as resistant to plastic deformation as plastisol, and is more expensive than polyester, but in terms of price-quality ratio, it is the best option from all of the above. Pural coatings are most widely used in the production of galvanized metal roofing elements.

KEYWORDS: *Polymer, Polyester, Plastisol, Pural, Coating, Anti-Friction, Material.*

REFERENCES:

1. Tim A.Osswald and Georg Menges “Material Science of Polymers for Engineers” 3rd Edition. Carl HanserVerlag, Munich 2012.
2. SoumyaMondal, DipakKhashtgir “Carbon-Containing Polymer composites”. Springer Singapore 2019.
3. У.А.Зиямухамедова. «Перспективные композиционные материалы на основе местных минеральных и энергетических ресурсов» Ташкент:ТашГТУ. 2011
4. William D.Callister, Jr. David G. Rethwisch “Materialsscienceandengineering8thedition”. USA 2010.
5. Gustavo Mendes and Bruno Lago“Strength of materials”. New York 2009.