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22 - Surfaces and Surface Properties Susan Troler-McKinstry , Pennsylvania State University , Robert E. Newnham , Pennsylvania State University Publisher: Cambridge University Press

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Surface Properties And Engineering Of Complex Intermetallics

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Surface Engineering and Applied Electrochemistry | Home

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Anti-fingerprint properties of engineering surfaces: a review

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Metrology and Properties of Engineering Surfaces ...

fines surface engineering as "treatment of the surface and near-surface regions of a material to allow the surface to perform functions that are distinct from those functions demanded from the bulk of the material" (Ref 1). The desired properties or characteristics of surface-engineered components include:

Surface Properties And Engineering Of

Surface engineering is the sub-discipline of materials science which deals with the surface of solid matter. It has applications to chemistry, mechanical engineering, and electrical engineering (particularly in relation to semiconductor manufacturing).. Solids are composed of a bulk material covered by a surface. The surface which bounds the bulk material is called the Surface phase.

Surface engineering - Wikipedia

Surface engineering aims at the modification of microstructure and/or composition of the near-surface region of a component to improve surface-dependent engineering properties. Conventionally, equilibrium or near-equilibrium processing (e.g., heat treatment, coating, painting) is applied for the modification of microstructure and/or composition of the surface of any component.

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ASCE Subject Headings: Fabrics, Ammonia, Granular soils, Soil treatment, Soil analysis, Clays, Surface properties, Thermodynamics Journal of Geotechnical and Geoenvironmental Engineering Vol. 123, Issue 6 (June 1997)

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