

REQUIREMENTS FOR MATERIALS IN DESIGN: STAGES OF CREATING A DRESS FORM

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Abstract

This article explores the requirements for materials in the field of design, focusing on the stages of creating a dress form. It highlights the integration of material properties with aesthetic and functional design principles. The paper also delves into the expectations for participation in modern exhibitions, particularly in France and the UK, showcasing contemporary approaches to dress form design. Key insights include the use of sustainable materials, advanced technologies, and adherence to cultural and artistic standards.

Keywords: material requirements, dress form design, sustainable materials, modern exhibitions, France, UK, fashion technology.

Introduction

The world of design is ever-evolving, with a growing emphasis on the interplay between material innovation and creative expression. In fashion, dress forms are fundamental to both the artistic and functional aspects of garment creation. This paper examines the essential material properties required for modern design and outlines the step-by-step process of creating a dress form. Additionally, it discusses the participation criteria for exhibitions in France and the UK, which set the benchmark for contemporary design innovation.

Objectives

- To identify the key material requirements in dress form design.
- To analyze the stages involved in creating a dress form.

- To outline the expectations and criteria for participating in prominent design exhibitions.

Methods

Material Selection

The research involved analyzing materials commonly used in dress form design, such as cotton, polyester, and innovative sustainable fabrics like Tencel and recycled fibers. Emphasis was placed on properties such as durability, elasticity, and environmental impact.

Dress Form Creation Process

The stages of creating a dress form were examined through case studies and expert interviews. These stages include:

1. Conceptualization: Sketching and ideation based on trends and cultural influences.
2. Material Testing: Evaluating fabric properties for suitability in design.
3. Prototyping: Crafting initial forms using mannequins and adjustable tools.
4. Refinement: Iterative adjustments to achieve the desired fit and style.
5. Finalization: Completing the design for presentation or production.

Exhibition Standards

Participation requirements for exhibitions in France and the UK were reviewed through documentation from prominent events such as Paris Fashion Week and the London Design Biennale. Criteria included:

- Artistic originality and innovation.
- Use of sustainable and ethical practices.
- Compliance with exhibition themes and guidelines.
- Technical precision and craftsmanship.

Results

Material Properties

Findings revealed a strong shift towards sustainable and innovative materials, with designers favoring fabrics that balance aesthetics and environmental responsibility. Sustainable materials demonstrated equal or

superior performance in elasticity and durability compared to traditional options.



Dress Form Creation

The iterative nature of the creation process emphasized the importance of adaptability and precision at each stage. Advanced technologies, such as 3D printing and virtual modeling, were increasingly utilized to enhance design accuracy and reduce waste.

Exhibition Criteria

Both French and UK exhibitions prioritized sustainability, innovation, and cultural resonance. Successful submissions often showcased unique narratives tied to heritage or cutting-edge technology.

Discussion

The integration of sustainable practices and advanced technologies is revolutionizing dress form design. Exhibitions in France and the UK act as platforms for innovation, encouraging designers to rethink traditional methods. To compete at this level, adherence to high standards of material quality and creativity is essential.

Conclusion

Designing a dress form is a multifaceted process that requires a thorough understanding of materials, precision in execution, and awareness of global

exhibition standards. The insights from French and UK exhibitions provide valuable benchmarks for designers aiming to excel in the international arena.

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