

Care Instructions for Handling and Washing **3D** **Printed Textiles**

Welcome to our comprehensive guide on caring for your 3D printed designs created using the Stratasys J850 TechStyle™ powered by 3DFashion™ technology. With the use of industry-certified, semi-flexible VeroEco™ Flex materials in full color, including black, white, clear, cyan, magenta and yellow, these designs bring your imagination to life. To ensure their longevity, it is essential to follow proper care instructions when washing and handling. In this guide we will provide you with data and valuable tips on washing and handling your designs, ensuring that they maintain their brilliance and quality over time.



General Instructions

Material Name	VeroEco™ Flex Materials
Material Density	1.14 -1.15 g/cm ²
Composition	Acrylic Photopolymer
Area of Use	Fashion, Accessories and Automotive: Fabrics, Leather, Garments and Footwear

Washing instruction



Machine Washing:

For items that can be machine washed, use a delicate or gentle cycle. It's recommended to turn the garment inside out to protect the outer surface.

Depending on the delicacy of the print graphics and the garment, it is recommended to limit washing cycles to up to 25 in total.

Hand Washing:

Many luxury items, especially those made of delicate fabrics like silk, lace, or cashmere, should be hand-washed. Use a gentle detergent and cold water. Gently stir the water and avoid wringing or twisting the garment.

Other instructions



Physical Properties

Tensile strength, (MPa)	ASTM D-412	7.3 – 14.4*	
Tearing strength, (N/m)	ASTM D-624	11957.5- 18513.7*	
Shore A	ASTM D-2240	85-90*	
Color Fastness to Rubbing,	ISO11640:2018	Dry 150 rubs* Wet 50 rubs	Marring = 4-5 Staining = 4-5
Abrasion resistance (Martindale)	ISO12947-2:2016	>25,600 revs**	
Color fastness to light	ISO 105-B02:2014	>BWS 4*	
Color Fastness to Washing (Cotton, polyester, 50%/50%, and Linen) 60°C, min.	ISO 105-C06:2010 C2S 60c (SC)	GSR 4-5**	There is no loss of adhesion between the fabric and the print during testing on any of the tested samples

*Based on average results for Black, White, Clear, Magenta, Cyan, and Yellow materials

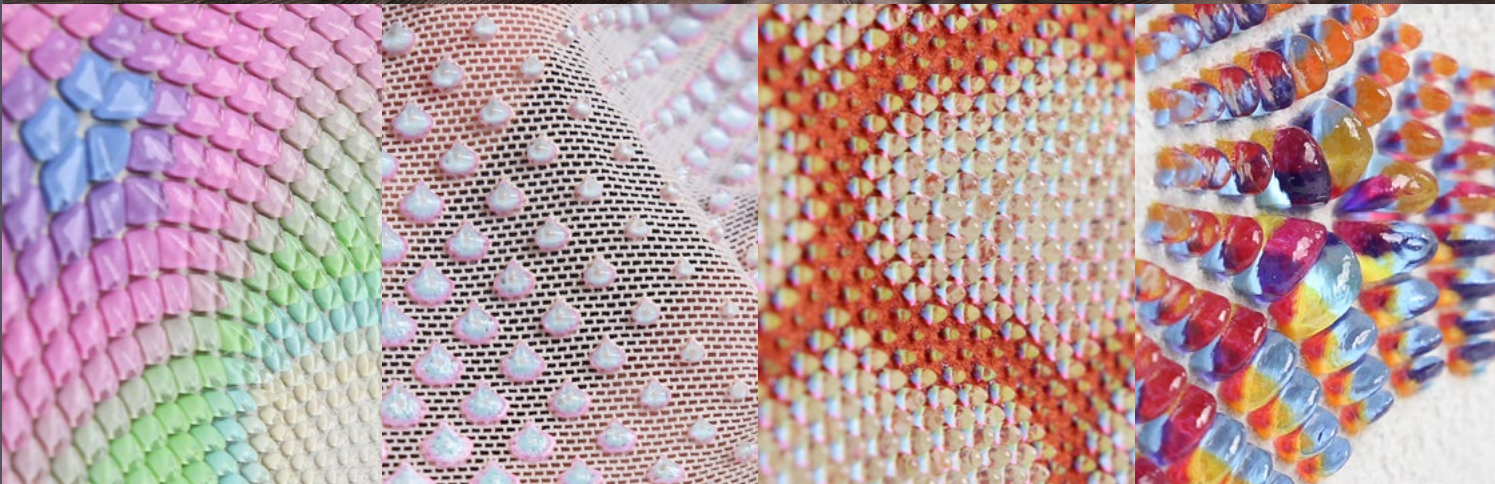
**Accurate for all tested samples

Images credits:

Flower Of Life by Ada Hefetz (Wedding dress)

Unfolding The Fold by Arantza Vilas

3D Printed Swatches by Travis Fitch



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