

Subject: Denim Dye Stain Resistance

Technical Bulletin No.: TB-2025-11-002

Date: November 11, 2025

Applies to: EnviroLeather® Upholstery Platform, EnviroLeather® Prints Upholstery Platform, EnviroHyde® Upholstery Platform

From: Technical Services

Summary

LDI Textiles is pleased to report that EnviroLeather®, EnviroLeather® Prints, and EnviroHyde® all demonstrate excellent resistance to staining from denim dyes, achieving passing results on CFFA-70: “Resistance to Staining by Denim Dye.” Across all platforms, LDI materials achieved a minimum grade of 8, indicating very low staining and strong resistance to color transfer from denim fabrics.

This performance reinforces the suitability of these platforms for high-use environments - including healthcare, senior living, education, and commercial interiors - where exposure to denim apparel is common.

Background

The CFFA-70 test method evaluates the potential for blue denim dyes to transfer and stain coated fabrics during use. Denim crocking is one of the most common staining risks in upholstery applications, particularly when dark-wash or unwashed denim comes into contact with light-colored or high-performance seating surfaces.

The CFFA-70 test measures:

- The amount of staining imparted to the coated surface
- The ease of cleaning the stain
- Visual grading based on the AATCC Gray Scale

A passing result indicates that a coated fabric can withstand real-world denim dye exposure without permanent or significant discoloration. LDI’s coated fabric platforms are engineered for durability, stain resistance, and cleanability.

Findings

Test Performed:

CFFA-70 - Resistance to Staining by Denim Dye

Platforms Tested:

- EnviroLeather® (Generation 4 construction)
- EnviroLeather® Prints (with printed and topcoat layers)
- EnviroHyde® (microfiber substrate polyurethane construction; see related performance testing in TB-2025-11-7-001)

Results:

All platforms achieved the following **minimum performance level**:

- **Grade 8 or higher** on the AATCC Gray Scale after cleaning
- No permanent staining
- No surface damage or gloss change
- No residual dye shadowing after standard cleaning protocol

These results indicate **excellent resistance to denim crocking**, placing the LDI coated fabric platforms among the top performing in their category for stain resistance.

Customer Impact

This update confirms that EnviroLeather®, EnviroLeather® Prints, and EnviroHyde® are well-suited for environments where repeated contact with denim apparel is expected.

Customers can expect:

- Strong protection against dark-wash denim dye transfer
- Easier long-term maintenance of upholstery appearance
- Lower risk of staining-related service calls or warranty concerns
- Extended aesthetic life of seating surfaces

Action Required

No immediate action is required from customers or specifiers.

Outlook

LDI will continue monitoring emerging stain-resistance expectations and will integrate the CFFA-70 performance requirements into future platform evaluations, ensuring high durability and aesthetic longevity across all coated fabric product lines.

For More information

Email: customercare@lditextiles.com

Phone: (866) 332-0700