

The New Generation of Protection.  
MGX MorGuard Xtreme™



Exclusively from



**Morbern**

VINYL UPHOLSTERY FABRICS for



[www.morbern.com](http://www.morbern.com)

888-667-2376  
(888-MORBERN)





## Morbern

As tested, MGX MorGuard Xtreme offers superior stain protection. Just take a look at the following results using common staining agents.

The rating for stain resistance is based on the following scale:

Rated using CFFA-141 + ASTM D 1308

4 = Excellent, no stain mark in the material

3 = Good, slight stain

2 = Poor, stain almost intact

1 = Non cleanable, no stain removed

Scale: 3 to 4 to pass

### Test 1

Stain penetration for 1 minute and cleaned with water and domestic cleaner (Formula 409®) and Isopropyl alcohol®.

BBQ Sauce	3 to 4
Mineral Oil Lubricant	3 to 4
Sun Screen SPF 30	3 to 4
Yellow Mustard	3 to 4
Lipstick	3 to 4
Ballpoint Pen	3 to 4
Exhaust Soot	3 to 4
Cola	3 to 4

### Test 2

Stain penetration for 8 hours and cleaned with water and domestic cleaner (Formula 409®).

BBQ Sauce	3 to 4
Mineral Oil Lubricant	3 to 4
Sun Screen SPF 30	3 to 4
Yellow Mustard	3 to 4
Lipstick	3 to 4
Ballpoint Pen	3 to 4
Exhaust Soot	3 to 4
Cola	3 to 4

### Test 3

Stain penetration for 8 hours and cleaned with water and domestic cleaner (Formula 409®) and Isopropyl alcohol®.

BBQ Sauce	3 to 4
Mineral Oil Lubricant	3 to 4
Sun Screen SPF 30	3 to 4
Yellow Mustard	3 to 4
Lipstick	3 to 4
Ballpoint Pen	3 to 4
Exhaust Soot	3 to 4
Cola	3 to 4

### Specifics

Abrasion Resistance: Wyzenbeek ASTM D4157-10. 100,000 Double Rubs

Blocking Resistance: Fed. Std. 191A 5872. Rating of 2 max. Result: 1

Color Migration: MI-TLWI-410. No color migration. Result: Pass

Crock Resistance: Fed Std 191A 5651. Rating good both wet and dry. Result: Pass

10% Bleach Resistance: MI-TLWI-315. No Significant color change or deleterious effects. Result: Pass

Weather Resistance: ASTM G 153-00A, Cycle 1, 1000 hrs. No significant color change. Result: Pass

Hydraulic Stability: ASTM D-3690-02, 70C, 95% RH 14 days. 15,000 flexes. No cracking, delamination or other deleterious effects. Result: Pass