

CHALLENGER  
WHISPER  
PREMIER  
TURNER  
TAN  
DOVE  
GARNET  
ELEPHANT  
CHINCHILLA  
SLATE  
CHARCOAL  
TAUPE  
CASHEW  
CAPPUCCINO  
BLACK  
BORDEAUX  
SMOKEY BLUE  
CAMEL  
NAVY  
CREAM  
PEWTER  
CERULEAN  
BRONZE  
VANILLA  
SANDSTONE  
SEAGULL

PVC & PVC FREE



# PVC



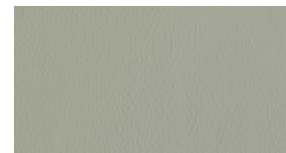
**CHALLENGER CREAM**



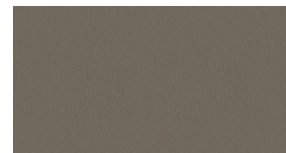
**WHISPER Bone**



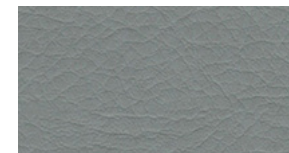
Mystic White



Seagull



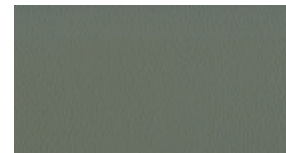
Elephant



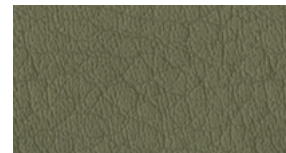
Pewter



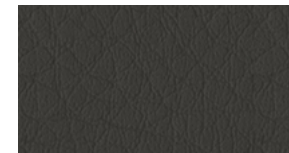
Fog



Steel



Antelope



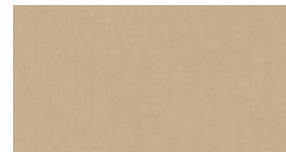
Charcoal



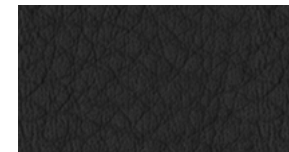
Taupe



Mocha



Cashew



Black



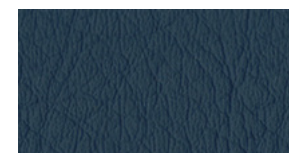
Smokey Blue



Chinchilla



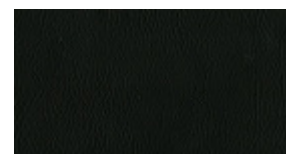
Camel



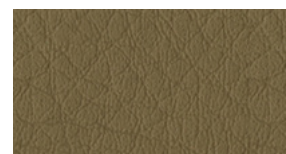
Cerulean



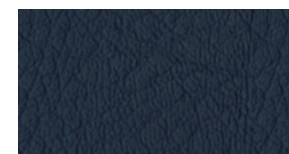
Denim Blue



Raven



Cappuccino



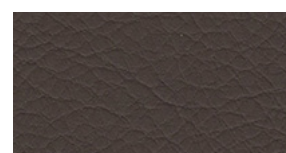
Navy



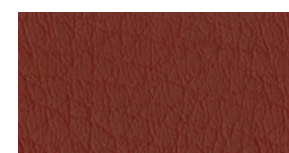
Midnight Blue



Garnet



Truffle



Bordeaux

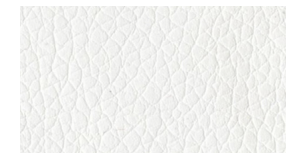
# PVC FREE



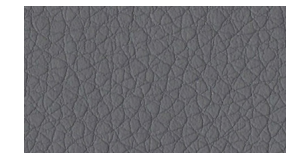
**PREMIER Cream**



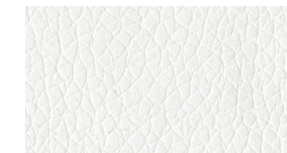
**TURNER Grey**



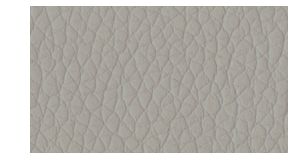
White



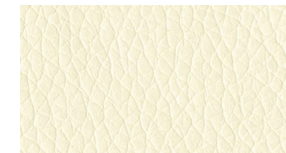
Steel



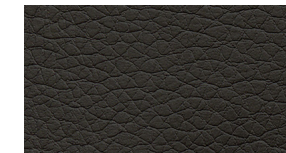
White



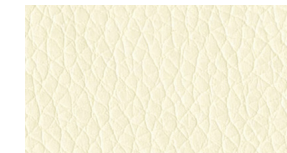
Quicksilver



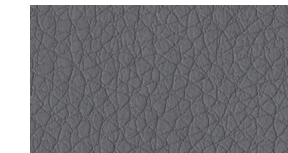
Vanilla



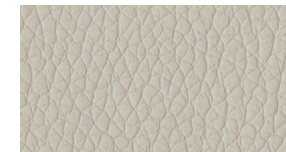
Chinchilla



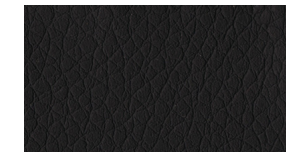
Vanilla



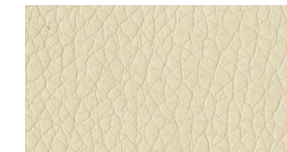
Steel



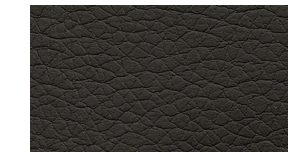
Grey



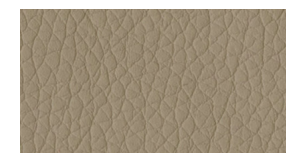
Black



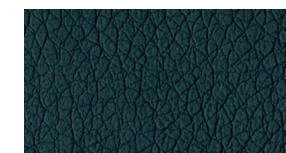
Cream



Chinchilla



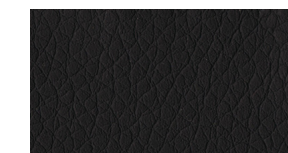
Taupe



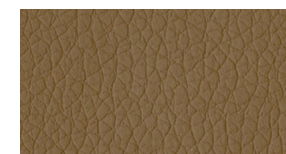
Deep Teal



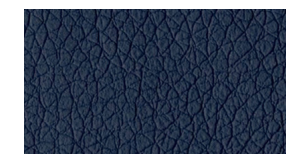
Taupe



Black



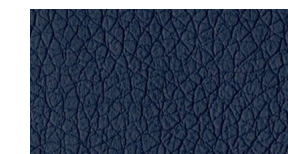
Sandstone



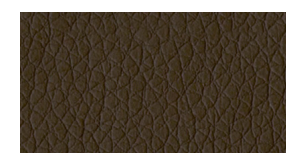
Navy



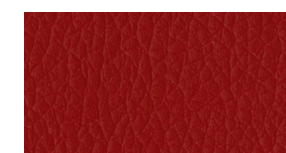
Sandstone



Navy



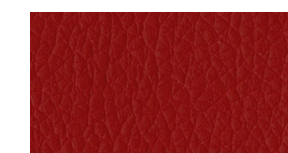
Tan



Garnet



Tan



Garnet

# Technical Information

Width/ Pattern	Fabric Grade	Fiber Content & Backing	Weight	Protective Finish	Abrasion Resistance	Light- fastness	Approx. Repeats	Cl. Code
55" Challenger 	2	100% Polyvinyl Chloride	33.17 oz./ Linear Yard	Endurepel Armour	1,500,000+ Double Rubs	AATCC 16.3: Grade 4 (1,500 hours)	N/A	W Virox 5 and Bleach Cleanable (10:1)
54" Whisper 	4	100% Polyvinyl Chloride	27.00 oz./ Linear Yard	Urethane Coating	100,000+ Double Rubs	1,000 hours	N/A	MSW Virox 5 and Bleach Cleanable (9:1)
54" Premier 	3	100% Polyurethane 100% PVC Free	20.17 oz./ Linear Yard	Endurepel Armour	500,000+ Double Rubs	AATCC 16.3: 4.5 (200 hours)	N/A	Virox 5 and Bleach Cleanable
54" Turner 	2	100% Polyurethane 100% PVC Free	23.00 oz./ Linear Yard	N/A	500,000+ Double Rubs	AATCC16: 4.5	N/A	SPECIAL

## EXPLANATION OF ACT ICONS FOR UPHOLSTERY

### Fire Retardancy

Flammability testing determined as fabric's resistance to burning.

PASSES Minimum California 117-2013 Section 1

### Wet & Dry Crocking

Transfer of dye from the surface of a dyed or printed fabric onto another surface by rubbing.

PASSES Minimum AATCC 8 Dry = Grade 4; Wet = Grade 4

### Colorfastness to Light

Colorfastness to light is the degree to which fabric will retain its color when exposed to light.

PASSES Minimum AATCC 16: Grade 4 minimum 40hrs

### Physical Properties

3 Physical property tests include: adhesion of coating to determine the measurement of the force required to separate the coatings from the substrate. Tear strength is the measurement of stress exerted to rip the fabric under tension. Hydrolysis Resistance (applicable to polyurethanes only) is the evaluation of a polyurethane fabric's ability to withstand exposure to extended periods of heat and humidity.

PASSES Adhesion of coating ASTM D751 Sections 45-48: 3 lbf/in minimum

Tear Strength minimum ASTM D2261: 4 x 4 lbs

Hydrolysis Resistance ISO 1419 (Tropical Test Method C), 3 weeks

### Physical Properties

The surface wear of a fabric caused by friction.

PASSES Minimum 50,000 double rubs Wyzenbeek method

### Cleaning Code Definitions

**MSW** Clean with mild soap and water.

**SPECIAL** Wipe with a soft cloth and mild soap. Dry immediately.

CHALLENGER is cleanable with Virox 5, Oxivir Plus, Oxivir TB, Oxivir TB wipes, Accel Five TB, Accel PREvention, Accel PREvention wipes, Oasis 146 and bleach. Dilution ratios must be followed. Rinse the cleaned area after with fresh water and wipe dry with a clean cloth.

After cleaning solution or bleach is applied to any of these fabrics, they must be rinsed with clean water to remove residue and dried thoroughly and immediately.

Please visit manufacturer's website for cleaning instructions at [www.ennisfabrics.com](http://www.ennisfabrics.com)

**72<sup>H</sup>R EXPRESS** **5<sup>D</sup>V EXPRESS**

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