

# Anti-microbial & bleach cleanable fabrics and vinyls.

For the new world order in sanitation and hygiene.



**Coronavirus has caused global turmoil and placed new emphasis on issues of hygiene and sanitation. While it's impossible to apply social distancing to the furniture we sit on and textiles we touch, what we can do is make our upholstery and fabric surfaces as safe and as easy to clean as possible when it comes to infection control.**



**This is our collection of performance fabrics and vinyls. Designed to protect, they offer a range of advanced hygiene and safety certifications.**

**For easy specification, there are two categories; anti-microbial & bleach cleanable, for the ultimate in sanitisation, and bleach cleanable only, for those spaces which require frequent disinfection.**

**06** FAQs

**12** Anti-microbial & bleach cleanable fabrics & vinyls

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**To explain exactly what these newly-important hygiene properties mean, we've curated a handy FAQ guide to talk you through the science behind the terms, and the things you need to know when specifying these products.**

## **Anti-microbial and bleach cleanable: What does it all mean?**

Following the outbreak of coronavirus, you may be hearing more and more about anti-microbial textiles and bleach cleanability. Previously reserved for inclusion in healthcare interiors, these fabrics are making their way into the mainstream – and for good reason. Defined as “destroying or inhibiting the growth of microorganisms, and especially pathogenic [disease-causing] microorganisms”, anti-microbial has never been more important than it is in today's world – and bleach has never been in more demand thanks to its bacteria-killing properties.

So, what exactly do we mean by the terms? How do we test for them? And are they something you should be considering for your next specification? Here, we answer some of the most commonly asked questions surrounding anti-microbial textiles and bleach cleanability.

# Let's start with anti-microbial

**Q What does anti-microbial mean when it comes to textiles?**

**A** An anti-microbial textile contains a chemical which kills or inhibits the presence of bacteria. There are a number of ways through which this can be achieved - for example, silver, zinc and ammonium chloride are all highly effective solutions. The active ingredient can either be added directly to the yarn before a textile is woven, or added to the completed fabric by wet finishing. For faux leathers, the antibacterial agent is incorporated into the PVC or PU during manufacturing.

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**Q How are fabrics and vinyls tested for antimicrobial properties?**

**A** Camira products are certified as anti-microbial in compliance with the industry-approved AATCC 147 method. This test determines the anti-bacterial activity of treated textile products, using two types of bacteria: Staphylococcus Aureus, which can cause skin infections, and Klebsiella Pneumonia, which can cause pneumonia and meningitis. Commonly known as the Parallel Streak method, 5 streaks of bacteria are drawn across a petri dish, a fabric sample laid over them and left for 24 hours, after which the "zone of inhibition" is assessed. When tested, our anti-microbial products show no bacterial growth on or around the fabric.

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**Q If a Camira product is certified to be anti-microbial, will it protect against coronavirus?**

**A** All textiles and vinyls included within our anti-microbial collection protect against a wide range of harmful bacteria – including MRSA, Salmonella and E. coli – and can therefore provide enhanced hygiene benefits in a wide range of commercial interiors. Whilst the mechanism to reduce or kill the presence of coronavirus particles works in a similar manner to the anti-microbial treatment, our products have not been tested against COVID-19.

**Q Do all upholstery coverings need to be anti-microbial in the wake of coronavirus?**

**A** No. Whilst anti-microbial textiles offer an enhanced element of protection against transmission, the risk and rate of infection via soft furnishings remains low, with more caution needed to be taken with hard surfaces, such as plastic, on which the virus has been proven to last for an increased length of time. Increased sanitation of surfaces and personal hand hygiene remain one of the most effective methods of protection and will be sufficient for the majority of interiors.

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**Q Some fabric companies are saying their products do prevent the spread of coronavirus. What is your response?**

**A** Anti-microbial textiles – such as Camira's - can be extremely effective at reducing the potential presence and transmission of viruses and bacteria on and by soft surfaces. There are a range of viral strains, each with its own structure and composition. However, the mechanism of action of chemical treatments has been proven to be effective across a broad spectrum of virus and bacteria.

In order to certify that a textile specifically prevents the spread of coronavirus, it must have been tested against the human-specific COVID-19 virus strain, and proven to reduce the virus's presence by over 99% over an appropriate length of time; after which it can be certified as protecting against coronavirus. For all fabrics which make this claim, we advise requesting the test certificate to ensure it has met the relevant requirements.

## Now onto the bleach...

**Q** **Bleach – what actually is it and what is it used for?**

**A** Bleach is made from sodium hypochlorite and belongs to a class of chemicals known as oxidative agents, meaning that they cause a chemical reaction called oxidation when they come into contact with certain stains, certain germs or other organisms.

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**Q** **What does bleach kill?**

**A** Bleach kills 99.9% of bacteria and germs.

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**Q** **How does bleach work?**

**A** When sodium hypochlorite comes into contact with certain viruses, bacteria, mould or fungi, it oxidises molecules in the cells of the germs and kills them.

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**Q** **How are fabrics tested for bleach cleanability?**

**A** Externally we test in accordance with BS EN ISO 105-E03, using specialist laboratories who use a perspirometer to check the colourfastness of each fabric being tested. This determines any change in colour shade after submerging the fabric sample within a chlorinated bleach solution and warming for 4 hours.

Internally, we have developed additional testing protocols to provide further information and guidance. The Camira test sees each fabric sample rubbed with a white cotton crocking cloth soaked in chlorinated bleach solution 100 times to determine any colour changes and hence its suitability for bleach cleaning.

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**Q** **What type of bleach is used within Camira's testing process?**

**A** Camira use a 1:4 concentration of sodium hypochlorite as the standard bleach test. This is in line with healthcare recommendations in both the UK and US.

**Q** **How should you bleach clean the fabric?**

**A** Follow the instructions on the brand of bleach you're using, bearing in mind the end use you are cleaning for. Measure out the required dosage in relation to the quantity of water required. Soak a white or lightly coloured cotton in the solution before wringing out any excess liquid and gently wipe the fabric, using appropriate PPE, before leaving to dry naturally.

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**Q** **How can bleach cleaning affect fabrics?**

**A** Essentially, bleach can unlock colour within the fabric. As the colour is derived from the pigment within the dye itself, the dye stuff that the fabric is coloured with determines whether or not a fabric is bleach cleanable.

In order to be bleach cleanable, a fabric cannot weaken or fade when exposed to bleach. Solution dyed fibres including polypropylene and some polyesters which use reactive, high energy dye stuffs exhibit strong colourfastness when exposed to bleach.

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**Q** **How frequently should you clean bleach cleanable fabrics in contract interiors?**

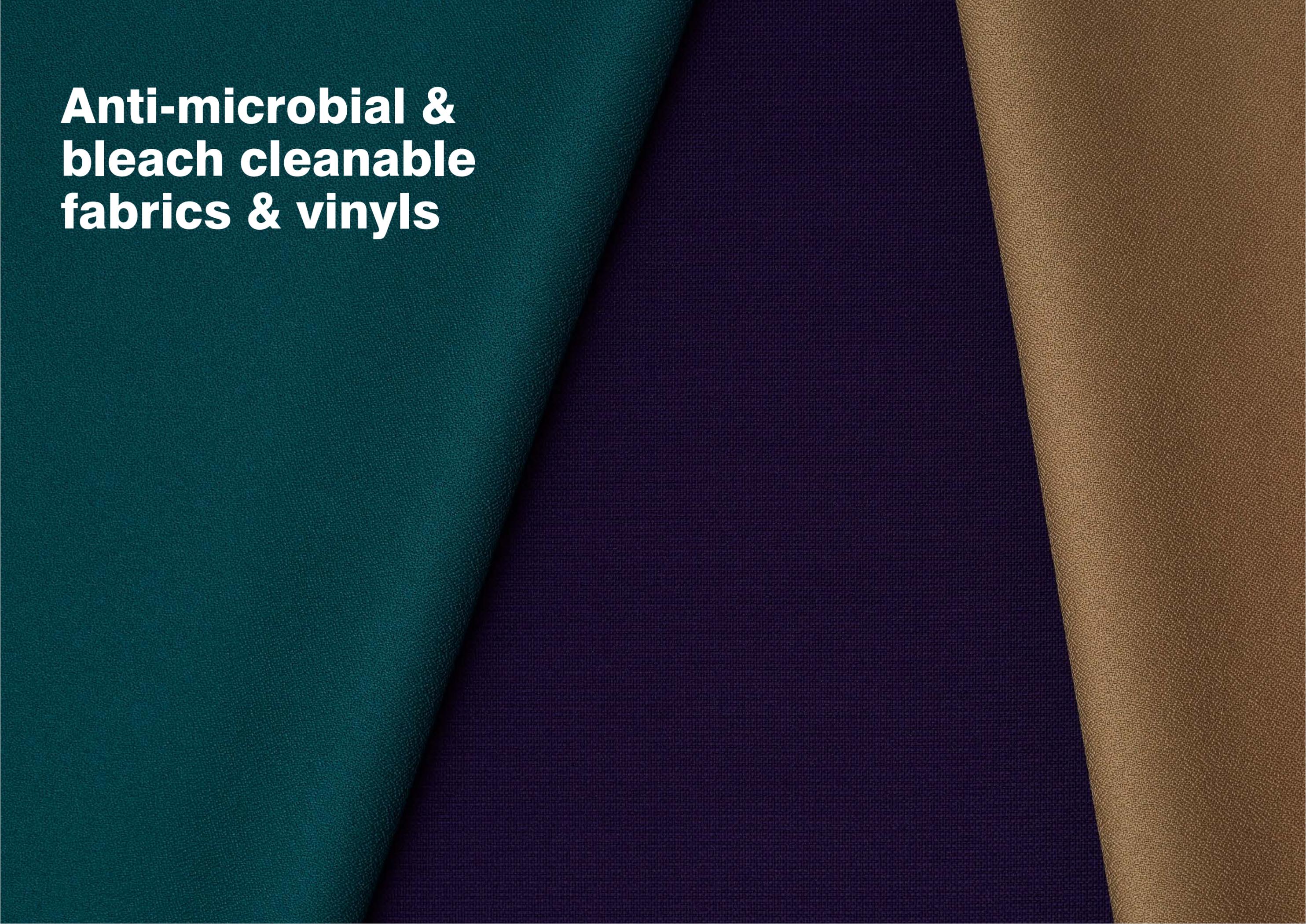
**A** As often as required. As fabrics undergo such rigorous testing to be certified as bleach cleanable, they are able to withstand frequent cleaning.

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**Q** **Does cleaning fabric with ethanol have the same anti-microbial benefits as bleach?**

**A** Camira have established a standard internal test procedure using bactericidal wipes saturated with a 75% v/v solution of Isopropyl Alcohol BP and AZOTM Spray, which represents any strong alcohol based disinfectant.

Using a manual crock meter, the alcohol wipe is used in place of cotton crocking cloth and rubbed back and forth 100 times across the surface of the textile. This is then graded to determine any discolouration/staining of the fabric.

The background of the slide features three overlapping fabric swatches. On the left is a teal fabric, in the center is a dark blue fabric, and on the right is a gold fabric. The fabrics are slightly textured and appear to be part of a larger display.

# **Anti-microbial & bleach cleanable fabrics & vinyls**

# Halcyon Aspen

Upholstery



**Lavendar**  
HPA02



**Berry**  
HPA03



**Nutmeg**  
HPA12

## Technical Information

### Composition

100% Polyester face with TriOnyx™ performance backcoat

### Environment

Non metallic dyestuffs

### Abrasion Resistance

Independently certified to ≥50,000 Martindale cycles. 10 year guarantee.

(TSR6)

### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
UNI 9175 Classe 1 IM  
DIN 4102 B1  
The Furniture and Furnishing (Fire) (Safety) Regulations 1988 (domestic cigarette and match)  
IMO FTP Code (Part 8)

### Anti-microbial / Anti-fungal

AATCC 147

### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

Available in 12 colorways

[View & Order Samples](#)

# Halcyon Blossom

Upholstery



**Almond**  
HPB10



**Nutmeg**  
HPB12



**Tigerlily**  
HPB11

## Technical Information

### Composition

100% Polyester face with TriOnyx™ performance backcoat

### Environment

Non metallic dyestuffs

### Abrasion Resistance

Independently certified to ≥50,000 Martindale cycles. 10 year guarantee.

(TSR5)

### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
UNI 9175 Classe 1 IM  
DIN 4102 B1  
The Furniture and Furnishing (Fire) (Safety) Regulations 1988 (domestic cigarette and match)  
IMO FTP Code (Part 8)

### Anti-microbial / Anti-fungal

AATCC 147

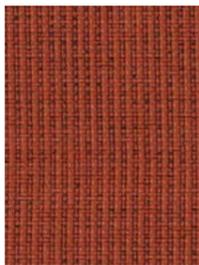
### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

Available in 12 colorways

[View & Order Samples](#)

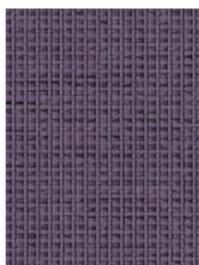
# Halcyon Cedar



**Tigerlily**  
HPC11



**Petal**  
HPC01



**Lavender**  
HPC02

## Technical Information

### Composition

100% Polyester face with TriOnyx™ performance backcoat

### Environment

Non metallic dyestuffs

### Abrasion Resistance

Independently certified to ≥60,000 Martindale cycles. 10 year guarantee.

(TSR3)

### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
UNI 9175 Classe 1 IM  
DIN 4102 B2  
The Furniture and Furnishing (Fire) (Safety) Regulations 1988 (domestic cigarette and match)  
IMO FTP Code (Part 8)

### Anti-microbial / Anti-fungal

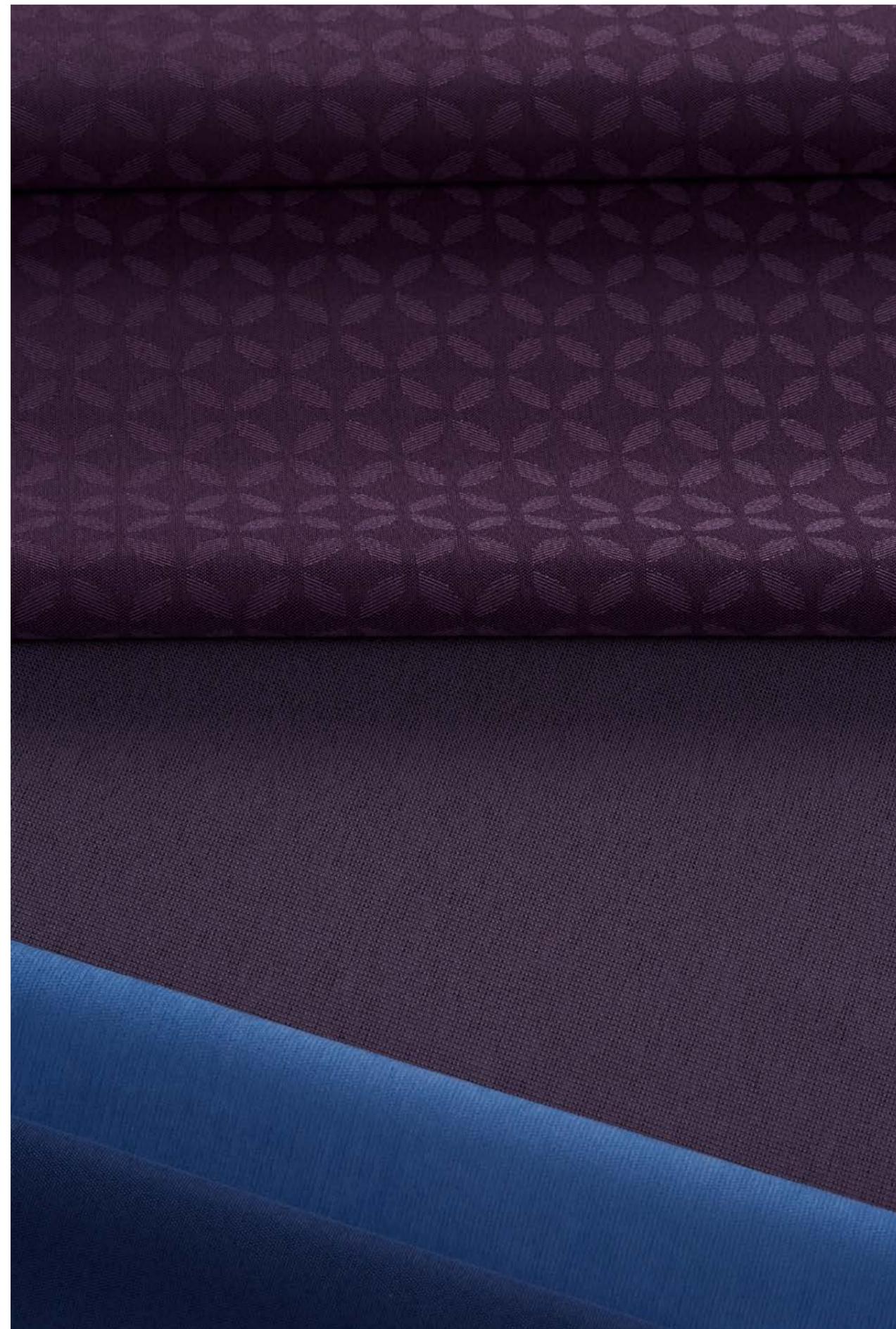
AATCC 147

### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

Available in 12 colorways

[View & Order Samples](#)



Upholstery

# Intervene Plain



Plain  
YH030



Plain  
YH046



Plain  
YH071

## Technical Information

### Composition

100% Post-Consumer recycled polyester with TriOnyx™ performance backcoat

### Environment

Non metallic dyestuffs

### Abrasion Resistance

Independently certified to  $\geq 100,000$  Martindale cycles. 10 year guarantee.

(TSR3)

### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
UNI 9175 Classe 1 IM  
The Furniture and Furnishing (Fire) (Safety) Regulations 1988 (domestic cigarette and match)  
IMO FTP Code (Part 8)

### Anti-microbial / Anti-fungal

AATCC 147

### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

Available in 7 colorways

[View & Order Samples](#)

Upholstery

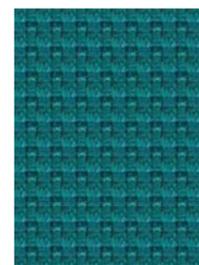
# Intervene Texture



Texture  
YW009



Texture  
YW083



Texture  
YW160

## Technical Information

### Composition

100% Post-Consumer Recycled Polyester with TriOnyx™ performance backcoat

### Environment

Non metallic dyestuffs

### Abrasion Resistance

Independently certified to  $\geq 100,000$  Martindale cycles. 10 year guarantee.

(TSR3)

### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
UNI 9175 Classe 1 IM  
The Furniture and Furnishing (Fire) (Safety) Regulations 1988 (domestic cigarette and match)  
IMO FTP Code (Part 8)

### Anti-microbial / Anti-fungal

AATCC 147

### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

Available in 14 colorways

[View & Order Samples](#)

Upholstery



**Satsuma**  
MNL15



**Mulled**  
MNL14



**Tamarind**  
MNL10

### Technical Information

#### Composition

Surface: 100% PVC  
Substrate: 100% Cotton

#### Abrasion Resistance

ISO 5470-2 100,000 rubs  
(Grade 2 minimum). 5 year guarantee.

(TSR5)

#### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
UNI 9175 Classe 1 IM  
The Furniture and Furnishing (Fire)  
(Safety) Regulations 1988 (domestic  
cigarette and match)  
IMO FTP Code (Part 8)

#### Anti-microbial / Anti-fungal

AATCC 147

#### Bleach Cleanable

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

Available in 18 colorways

[View & Order Samples](#)

# Manila

Upholstery



**Punch**  
ITA35



**Chiffon**  
ITA44



**Cornsilk**  
ITA37

### Technical Information

#### Composition

Surface: 98% PVC, 2% PU  
Substrate: 100% Cotton

#### Abrasion Resistance

ISO 5470-2 100,000 rubs  
(Grade 2 minimum). 5 year guarantee.

(TSR7)

#### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
BS 5852 Ignition Source 7 (with interliner)  
UNI 9175 Classe 1 IM  
The Furniture and Furnishing (Fire) (Safety)  
Regulations 1988 (domestic cigarette and  
match)  
IMO FTP Code (Part 8)

#### Anti-microbial / Anti-fungal

AATCC 147

#### Bleach Cleanable

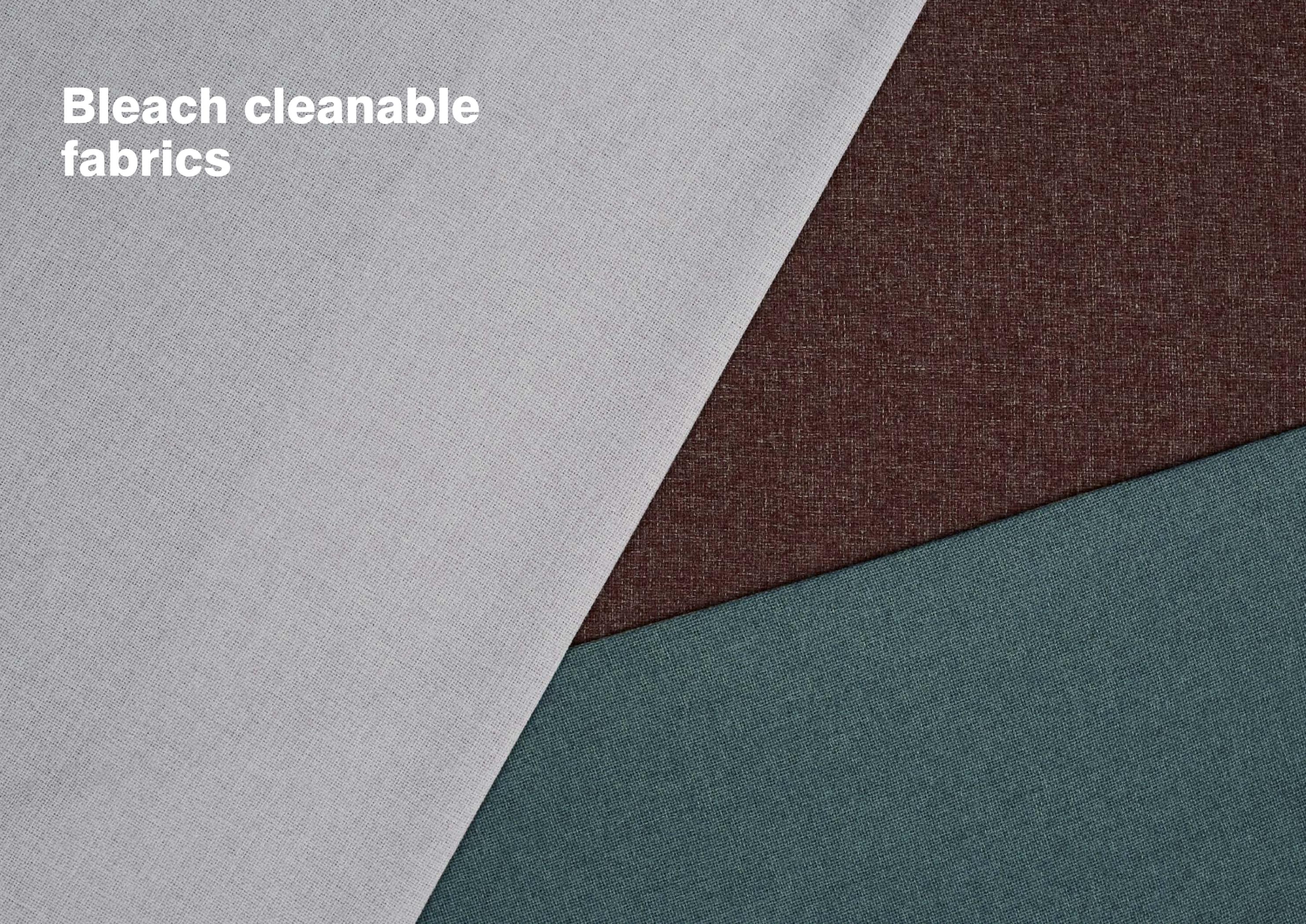
EN ISO 105 E03 color change 4  
using 1:4 chlorine solution

Available in 51 colorways

[View & Order Samples](#)

# Vita

# **Bleach cleanable fabrics**



Upholstery



**Amalfi**  
ACT02



**Cappadocia**  
ACT04



**Capones**  
ACT10

Panel



**Lora**  
EJ187



**Carron**  
EJ015



**Ronay**  
EJ189

### Technical Information

#### Composition

75% Trevira® CS Flame Retardant Polyester, 25% Polyester

#### Environmental

Certified to Indoor Advantage™ Gold  
Certified to OEKO-TEX® Standard 100  
Non metallic dyestuffs

#### Abrasion Resistance

Independently certified to  
≥50,000 Martindale cycles.  
10 year guarantee.

(TSR5)

#### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition source 5  
(over CMHR 50kg/m³ foam)  
BS 7176 Medium Hazard  
(over CMHR 50kg/m³ foam)  
DIN 4102 B1  
NF D 60-013 (over CMHR 50kg/m³ foam)  
ÖNORM B 3825 & A 3800-1  
(over CMHR 58kg/m³ foam)  
UNI 9175 Classe 1 IM

#### Bleach Cleanable

EN ISO 105 E03 color change 4  
using 1:4 chlorine solution

Available in 31 colorways

[View & Order Samples](#)

Aspect

### Technical Information

#### Composition

100% Polypropylene

#### Environmental

Certified to the EU Ecolabel  
Certified to Indoor Advantage™ Gold

#### Flammability

EN 1021-1 (cigarette)  
BS 476 Part 7 Class 1 (Adhered)  
EN 13501-1 (SBI) Adhered  
Class B, s2, d0

(TSR8)

#### Bleach Cleanable

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

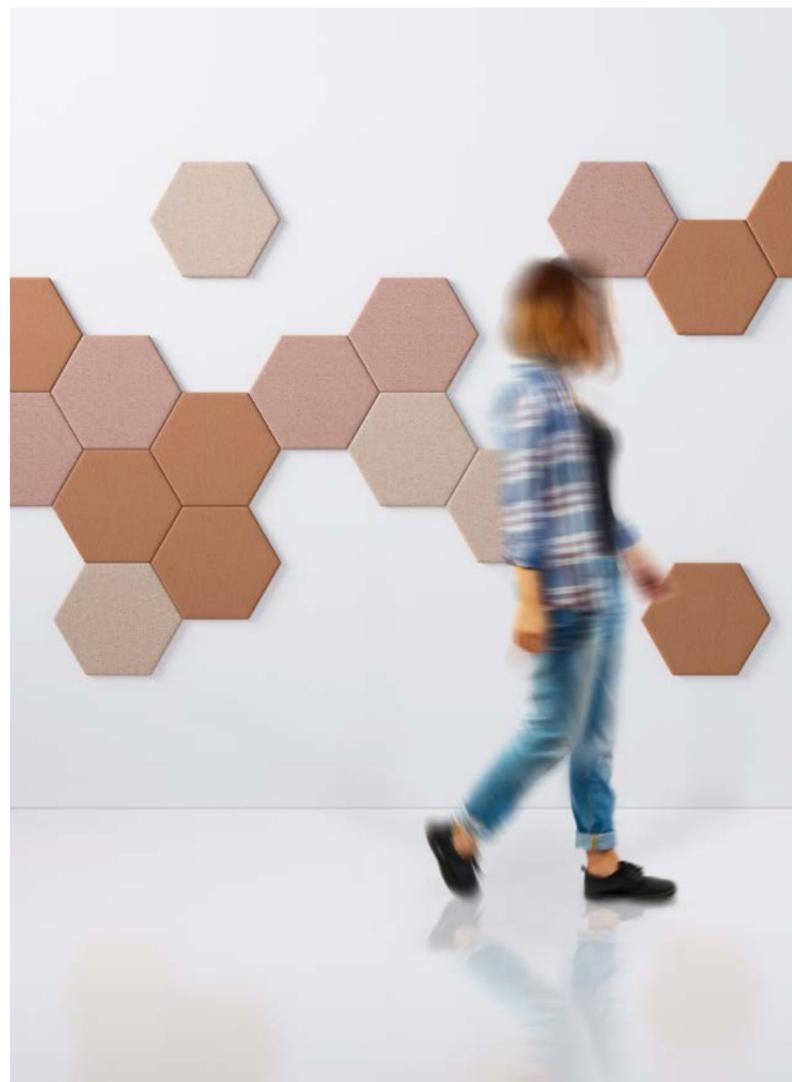
#### Acoustic Properties

Acoustically transparent. Acoustic  
graphs available upon request

Available in 32 colorways

[View & Order Samples](#)

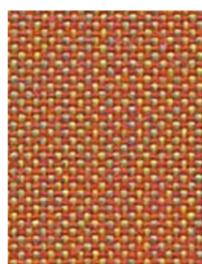
Cara



**Quin**  
CLW04



**Dublin**  
CLW07



**Navan**  
CLW06

### Technical Information

**Composition**

100% Polypropylene

**Environmental**

Certified to the EU Ecolabel  
Certified to Indoor Advantage™ Gold

**Flammability**

EN 1021-1 (cigarette)  
EN 13501-1 (SBI) Adhered  
Class B, s1, d0  
EN 13501-1 (SBI) Unadhered  
Class C, s1, d0

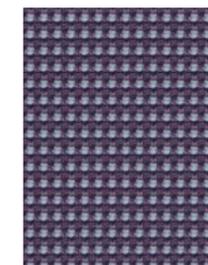
(TSR4)

Available in 25 colorways

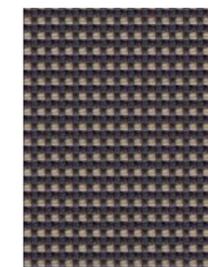
[View & Order Samples](#)

Carlow

Chateau



**Perigord**  
CSP38



**Medoc**  
CSP02



**Hazeville**  
CSP20

### Technical Information

**Composition**

100% Flame Retardant Polypropylene

**Abrasion Resistance**

Independently certified to  
≥30,000 Martindale cycles.  
10 year guarantee.

(TSR6)

Available in 17 colorways

**Flammability**

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
DIN 4102 B1  
ÖNORM B 3825 & A3800-1  
(58kg/m³ CMHR Foam)  
UNI 9175 Classe 1 IM  
EN 13501-1 Adhered Class B, s1, d0  
EN 13501-1 Un-adhered Class C, s1, d2

**Bleach Cleanable**

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

[View & Order Samples](#)

Upholstery  
& Panel



**Hamilton**  
FL010



**Augusta**  
FL125



**Redoubt**  
FL832

### Technical Information

#### Composition

100% Flame Retardant Polypropylene

#### Abrasion Resistance

Independently certified to  
≥30,000 Martindale cycles.  
10 year guarantee.

(TSR7)

Available in 20 colorways

[View & Order Samples](#)

#### Flammability

BS EN 1021 - 1 (cigarette)  
BS EN 1021 - 2 (match)  
BS 7176 Low Hazard  
DIN 4102 B1  
ÖNORM B 3825 & A3800-1  
(58kg/m<sup>3</sup> CMHR Foam)  
UNI 9175 Classe 1 IM  
EN 13501-1 Adhered Class B, s1, d0  
EN 13501-1 Un-adhered Class B, s1, d2

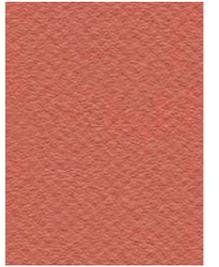
#### Bleach Cleanable

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

Upholstery



**Decadent**  
DEC08



**Tien**  
DEC09



**Dodeca**  
DEC19

### Technical Information

#### Composition

Surface: 100% PU  
Substrate: 100% Cotton

#### Environmental

Certified to OEKO-TEX® Standard 100

#### Abrasion Resistance

ISO 5470-1 100,000 rubs  
(Grade 2 minimum). 5 year guarantee.

(TSR2)

Available in 20 colorways

[View & Order Samples](#)

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
UNI 9175 Classe 1 IM  
The Furniture and Furnishing (Fire)  
(Safety) Regulations 1988 (domestic  
cigarette and match)  
IMO FTP Code (Part 8)

#### Bleach Cleanable

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

#### Hydrolysis

10 Weeks (ISO 1419)

# Citadel

# Deca

Upholstery  
& Panel



**Event**  
CSE18



**Rest**  
CSE37



**Perennial**  
CSE12

### Technical Information

**Composition**

100% Polyester

**Environmental**

Certified to Indoor Advantage™ Gold  
Certified to OEKO-TEX® Standard 100  
Non metallic dyestuffs

**Abrasion Resistance**

Independently certified to  
≥100,000 Martindale cycles.  
10 year guarantee.

(TSR12)

**Flammability**

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
BS 5852:Ignition Source 5 with  
EnviroFlam 5  
BS 7176 Medium Hazard with  
EnviroFlam 5  
EN 13501-1 Adhered Class B, s1, d0  
EN 13501-1 Un-adhered Class C, s1, d  
The Furniture and Furnishing (Fire)  
(Safety) Regulations 1988 (domestic  
cigarette and match) with EnviroFlam 5

**Bleach Cleanable**

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

Available in 44 colorways

[View & Order Samples](#)

# Era

# Era 170

Upholstery  
& Panel



**Notation**  
CSX36



**Analogue**  
CSX33



**Transition**  
CSX30

### Technical Information

**Composition**

100% Polyester

**Environmental**

Certified to Indoor Advantage™ Gold  
Certified to OEKO-TEX® Standard 100  
Non metallic dyestuffs

**Abrasion Resistance**

Independently certified to  
≥100,000 Martindale cycles.  
10 year guarantee.

(TSR7)

**Flammability**

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
EN 13501-1 Adhered Class B, s1, d0  
EN 13501-1 Un-adhered Class C, s1, d  
The Furniture and Furnishing (Fire)  
(Safety) Regulations 1988 (domestic  
cigarette and match) with EnviroFlam 5

**Bleach Cleanable**

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

Available in 13 colorways

[View & Order Samples](#)

Panel



**Oscar**  
YA307



**Reedfish**  
YA309



**Bowfin**  
YA314

### Technical Information

**Composition**  
100% Polyester

**Environmental**  
Certified to OEKO-TEX® Standard 100  
Non metallic dyestuffs

**Flammability**  
EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
BS 476 Part 7 Class 1 (Adhered)  
EN 13501-1 Adhered Class B, s1, d0  
EN 13501-1 Un-adhered Class B, s1, d2

(TSR7)

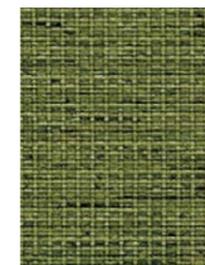
Available in 17 colorways

[View & Order Samples](#)

# Fiji

# Gravity

Upholstery



**Evergreen**  
CPC08



**Slate**  
CPC16



**Dove**  
CPC17

### Technical Information

**Composition**  
76% Polyester,  
24% Post-Consumer Recycled Polyester

**Environmental**  
Certified to OEKO-TEX® Standard 100  
Certified to Indoor Advantage™ Gold  
Non metallic dyestuffs

**Abrasion Resistance**  
Independently certified to  
≥80,000 Martindale cycles.

(TSR6)

Available in 31 colorways

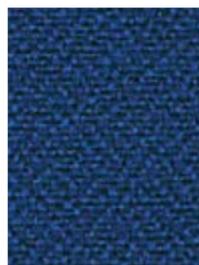
[View & Order Samples](#)

10 year guarantee.

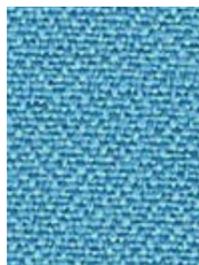
**Flammability**  
EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard

**Bleach Cleanable**

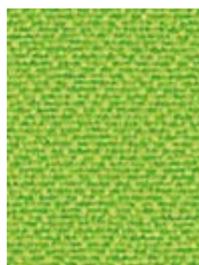
Panel



**Scuba**  
YB089



**Marianna**  
YB157



**Madura**  
YB156

### Technical Information

#### Composition

100% Post Consumer Recycled Polyester

#### Environmental

Certified to the EU Ecolabel  
Certified to OEKO-TEX® Standard 100  
Certified to Indoor Advantage™ Gold  
Made from 100% post-consumer recycled polyester  
Non metallic dyestuffs

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
BS 476 Part 7 Class 1 (Adhered)  
EN 13501-1 Adhered Class B, s1, d0  
EN 13501-1 Un-adhered Class B, s1,d2

#### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

#### Acoustic Properties

Acoustically transparent. Acoustic graphs available upon request

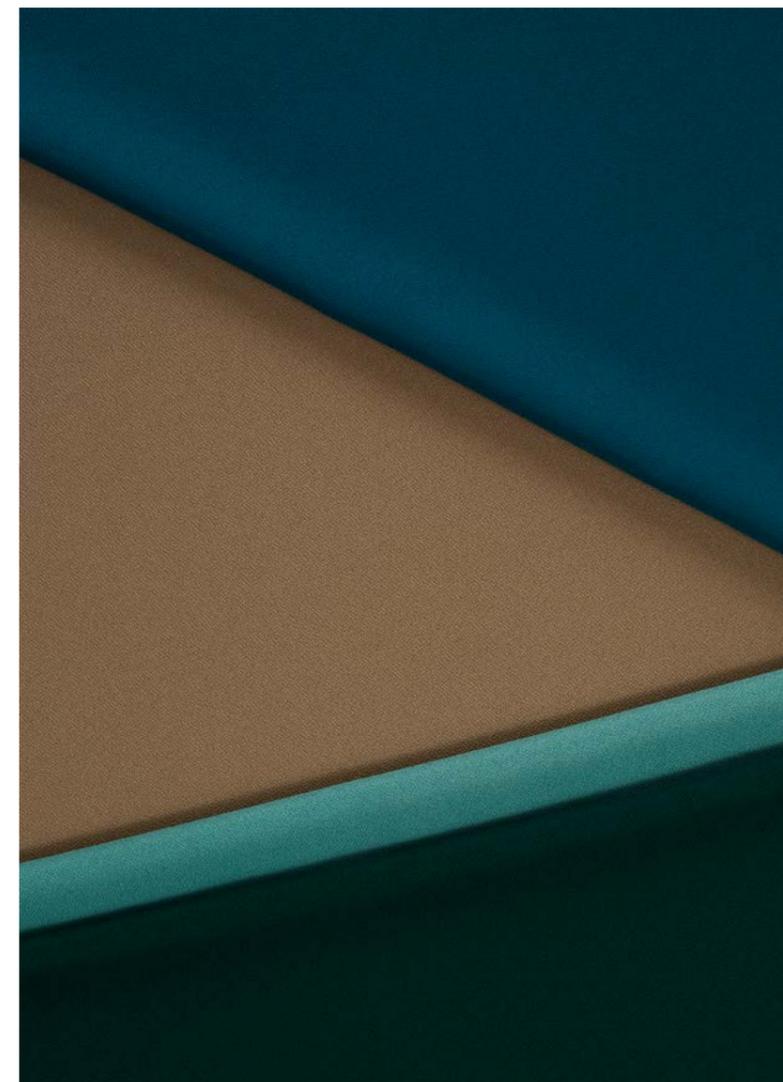
(TSR7)

Available in 17 colorways

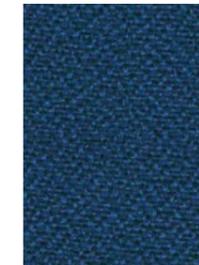
[View & Order Samples](#)

# Lucia

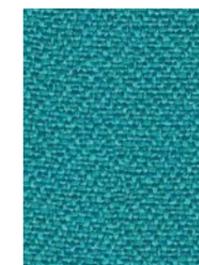
Panel



**Costa**  
LC026



**Makili**  
LC424



**Depok**  
LC421

### Technical Information

#### Composition

100% Trevira CS® Flame Retardant Polyester

#### Environmental

Certified to OEKO-TEX® Standard 100  
Non metallic dyestuffs

#### Acoustic Properties

Acoustically transparent. Acoustic graphs available upon request

(TSR5)

Available in 20 colorways

#### Flammability

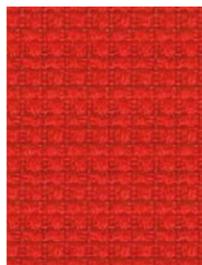
EN 1021-1 (cigarette)  
EN 1021-2 (match)  
BS 7176 Low Hazard  
DIN 4102 B1  
BS 476 Part 7 Class 1 (Adhered)  
BS 476 Part 6 Class 0 (Adhered)  
EN 13501-1 Adhered Class B, s1, d0  
EN 13501-1 Un-adhered Class B, s1, d0  
NF P 92-507 M1  
UNI 8456, UNI 9174 & UNI 9177 Classe Uno  
BS 5867-2: Type B Curtains & Drapes

#### Bleach Cleanable

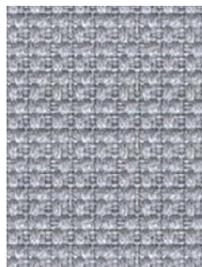
EN ISO 105 E03 color change 4 using 1:4 chlorine solution

[View & Order Samples](#)

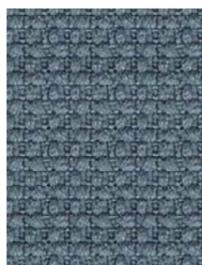
# Lucia CS



**Hudson**  
Y1362



**Varick**  
Y1173



**Saks**  
Y1389

**Technical Information**

**Composition**

100% Post-Consumer Recycled Polyester

**Environmental**

Certified to the EU Ecolabel  
 Certified to Indoor Advantage™ Gold  
 Made from 100% recycled polyester  
 Non metallic dyestuffs

**Abrasion Resistance**

Independently certified to  
 ≥50,000 Martindale cycles.  
 10 year guarantee.

(TSR7)

**Flammability**

EN 1021 - 1 (cigarette)  
 EN 1021 - 2 (match)  
 BS 7176 Low Hazard  
 UNI 9175 Classe 1 IM

**Bleach Cleanable**

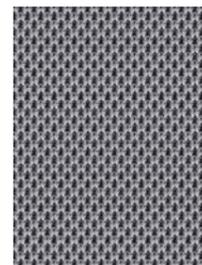
EN ISO 105 E03 color change  
 4 using 1:4 chlorine solution

Available in 23 colorways

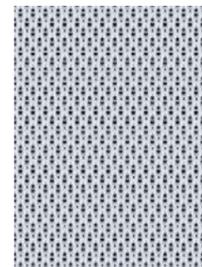
[View & Order Samples](#)

Manhattan

Nexus



**Limestone**  
UNY02



**Chalk**  
UNY12



**Denim**  
UNY08

**Technical Information**

**Composition**

100% Polyester

**Environmental**

Certified to OEKO-TEX® Standard 100  
 Certified to Indoor Advantage™ Gold  
 Non metallic dyestuffs

**Abrasion Resistance**

Independently certified to  
 ≥100,000 Martindale cycles.  
 10 year guarantee.

(TSR4)

**Flammability**

EN 1021 - 1 (cigarette)  
 EN 1021 - 2 (match)  
 BS 7176 Low Hazard  
 UNI 9175 Classe 1 IM  
 BS 476 Part 7 Class 1 (Adhered)  
 EN 13501-1 Adhered Class B, s2, d0  
 EN 13501-1 Un-adhered Class C, s1, d0

**Bleach Cleanable**

EN ISO 105 E03 color change  
 4 using 1:4 chlorine solution

**Acoustic Properties**

Acoustically transparent. Acoustic  
 graphs available upon request

Available in 15 colorways

[View & Order Samples](#)

Upholstery



**Neptune**  
OOC11



**Jetsam**  
OOC02



**Sea**  
OOC04

### Technical Information

#### Composition

100% Post-Consumer Recycled Polyester, including 50% SEAQUAL® yarn

#### Environmental

Certified to the EU Ecolabel  
Certified to OEKO-TEX® Standard 100  
Certified to Indoor Advantage™ Gold  
Made from 100% post-consumer recycled polyester  
Non metallic dyestuffs

#### Abrasion Resistance

Independently certified to ≥100,000 Martindale cycles. 10 year guarantee.

(TSR7)

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
BS 5852: Ignition Source 5 with EnviroFlam 5  
BS 7176 Medium Hazard with EnviroFlam 5

#### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

Available in 16 colorways

[View & Order Samples](#)

# Oceanic

Upholstery



**Sandstorm**  
YP107



**Blizzard**  
YP081



**Havana**  
YP009

### Technical Information

#### Composition

100% Polyester

#### Environmental

Certified to OEKO-TEX® Standard 100  
Non metallic dyestuffs

#### Abrasion Resistance

Independently certified to ≥100,000 Martindale cycles. 10 year guarantee.

(TSR6)

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
The Furniture and Furnishing (Fire) (Safety) Regulations 1988 (domestic cigarette and match)

#### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

Available in 21 colorways

[View & Order Samples](#)

# Phoenix

Upholstery



**Tide**  
QUE12



**Wave**  
QUE11



**Rockpool**  
QUE10

### Technical Information

#### Composition

100% Post-Consumer Recycled Polyester, including 75% SEAQUAL® yarn

#### Environmental

Certified to the EU Ecolabel  
Certified to OEKO-TEX® Standard 100  
Certified to Indoor Advantage™ Gold  
Made from 100% post-consumer recycled polyester  
Non metallic dyestuffs

#### Abrasion Resistance

Independently certified to ≥100,000 Martindale cycles.  
10 year guarantee.

(TSR2)

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
BS 5852:Ignition Source 5 with EnviroFlam 5  
BS 7176 Medium Hazard with EnviroFlam 5  
UNI 9175 Classe 1 IM  
BS 476 Part 7 Class 1Y (Adhered)  
EN 13501-1 Adhered Class B, s1, d0  
EN 13501-1 Un-Adhered Class B, s1, d0  
IMO FTP Code (Part 8) with EnviroFlam 5

#### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

Available in 27 colorways

[View & Order Samples](#)

# Quest

# Regent

Upholstery



**Alhambra**  
REG01



**Novella**  
REG09



**Savoy**  
REG10

### Technical Information

#### Composition

100% Flame Retardant Polyester

#### Abrasion Resistance

Independently certified to ≥50,000 Martindale cycles.  
10 year guarantee.

(TSR4)

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
BS 5852:Ignition Source 5  
BS 7176 Medium Hazard  
DIN 4102 B1  
NF D 60-013  
UNI 9175 Classe 1 IM  
NF P 92-507 M1  
BS 5867-2: Type B Curtains & Drapes

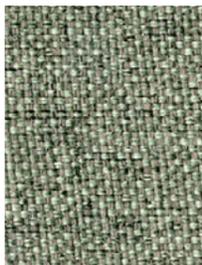
#### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

Available in 24 colorways

[View & Order Samples](#)

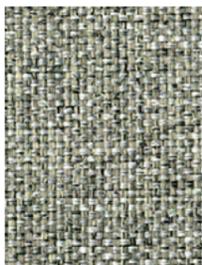
Upholstery



**Ferrous**  
EGL15



**Hemlock**  
EGL34



**Vitreous**  
EGL01

### Technical Information

#### Composition

100% Post Consumer Recycled Polyester

#### Environmental

Certified to the EU Ecolabel  
Certified to Indoor Advantage™ Gold  
Made from 100% post-consumer recycled polyester

#### Abrasion Resistance

Independently certified to  
≥80,000 Martindale cycles.  
10 year guarantee.

(TSR14)

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
UNI 9175 Classe 1 IM  
BS 5852 Ignition Source 5 with  
EnviroFlam 5  
BS 7176 Medium Hazard with  
EnviroFlam 5  
The Furniture and Furnishing (Fire)  
(Safety) Regulations 1988 (domestic  
cigarette and match) with EnviroFlam 5

#### Bleach Cleanable

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

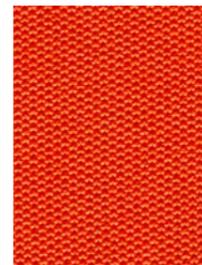
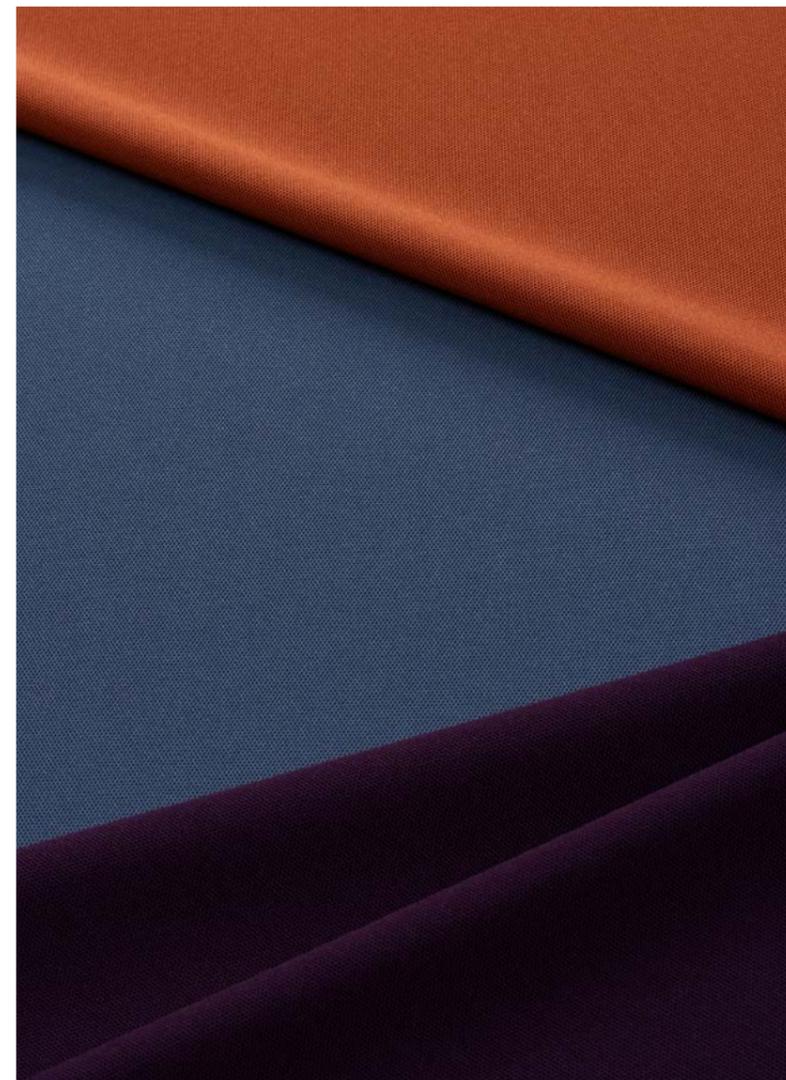
Available in 33 colorways

[View & Order Samples](#)

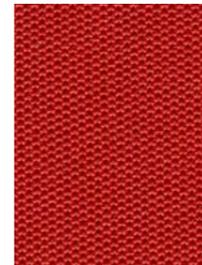
Rivet

Sprint

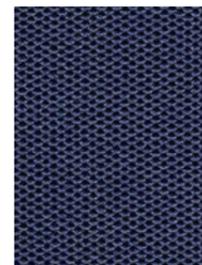
Upholstery



**Plunge**  
PS016



**Start**  
PS010



**Line**  
PS033

### Technical Information

#### Composition

100% Polyester

#### Environmental

Non metallic dyestuffs

#### Abrasion Resistance

Independently certified to  
≥100,000 Martindale cycles.  
10 year guarantee.

(TSR8)

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
UNI 9175 Classe 1 IM  
BS 476 Part 7 Class 1 (Adhered)  
EN 13501-1 Un-Adhered Class B, s1, d0

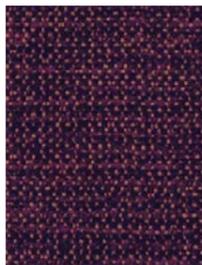
#### Bleach Cleanable

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

Available in 25 colorways

[View & Order Samples](#)

Upholstery



**Hunt**  
HTK12



**Rock**  
HTK01



**Place**  
HTK06

### Technical Information

#### Composition

100% Trevira CS® Flame Retardant Polyester

#### Abrasion Resistance

Independently certified to ≥80,000 Martindale cycles. 10 year guarantee.

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
DIN 4102 B1  
UNI 9175 Classe 1 IM  
NF P 92-507 M1  
IMO FTP Code (Part 8)

#### Bleach Cleanable

EN ISO 105 E03 color change 4 using 1:4 chlorine solution

(TSR9)

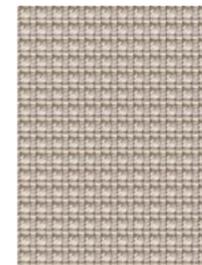
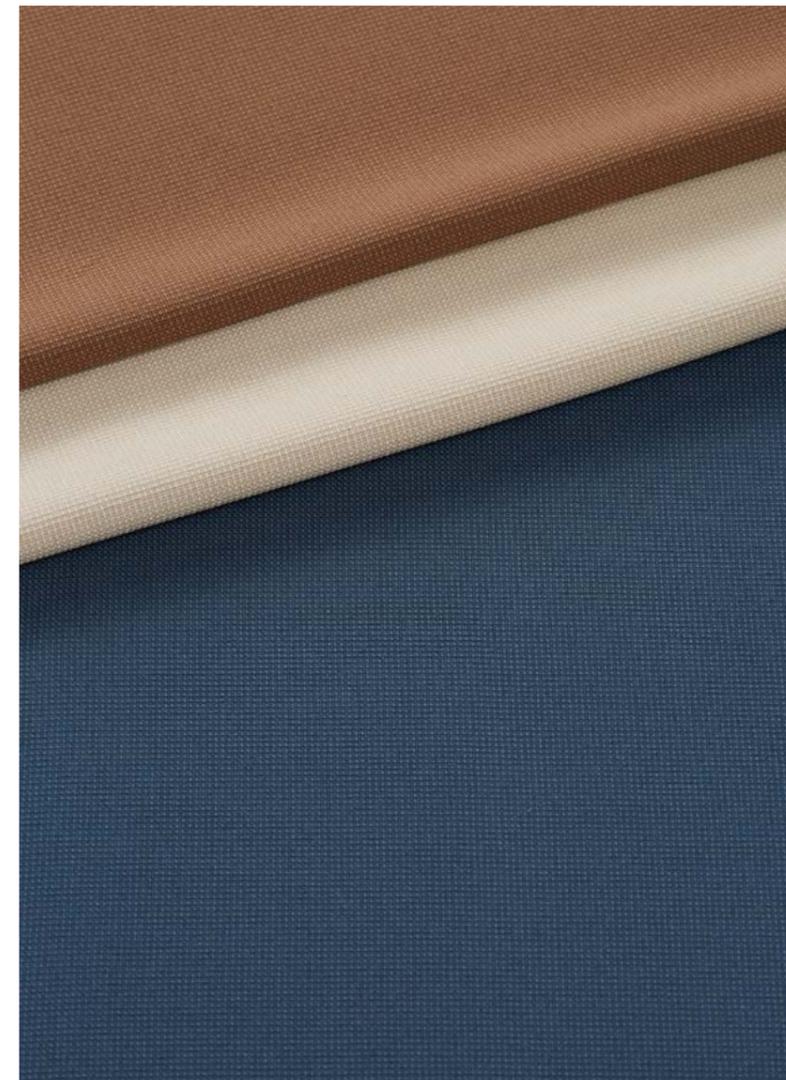
Available in 18 colorways

[View & Order Samples](#)

# Track

# Urban

Upholstery



**Living**  
YN108



**Bench**  
YN091



**Conurbation**  
YN082

### Technical Information

#### Composition

100% Post-Consumer Recycled Polyester

#### Environmental

Certified to the EU Ecolabel  
Certified to OEKO-TEX® Standard 100  
Made from 100% recycled polyester  
Non metallic dyestuffs

#### Abrasion Resistance

Independently certified to ≥100,000 Martindale cycles. 10 year guarantee.

#### Flammability

EN 1021 - 1 (cigarette)  
EN 1021 - 2 (match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
DIN 4102 B1  
NF D 60-013  
ÖNORM A 3800-1  
(over CMHR 58kg/m³ foam)  
UNI 9175 Classe 1 IM

#### Bleach Cleanable

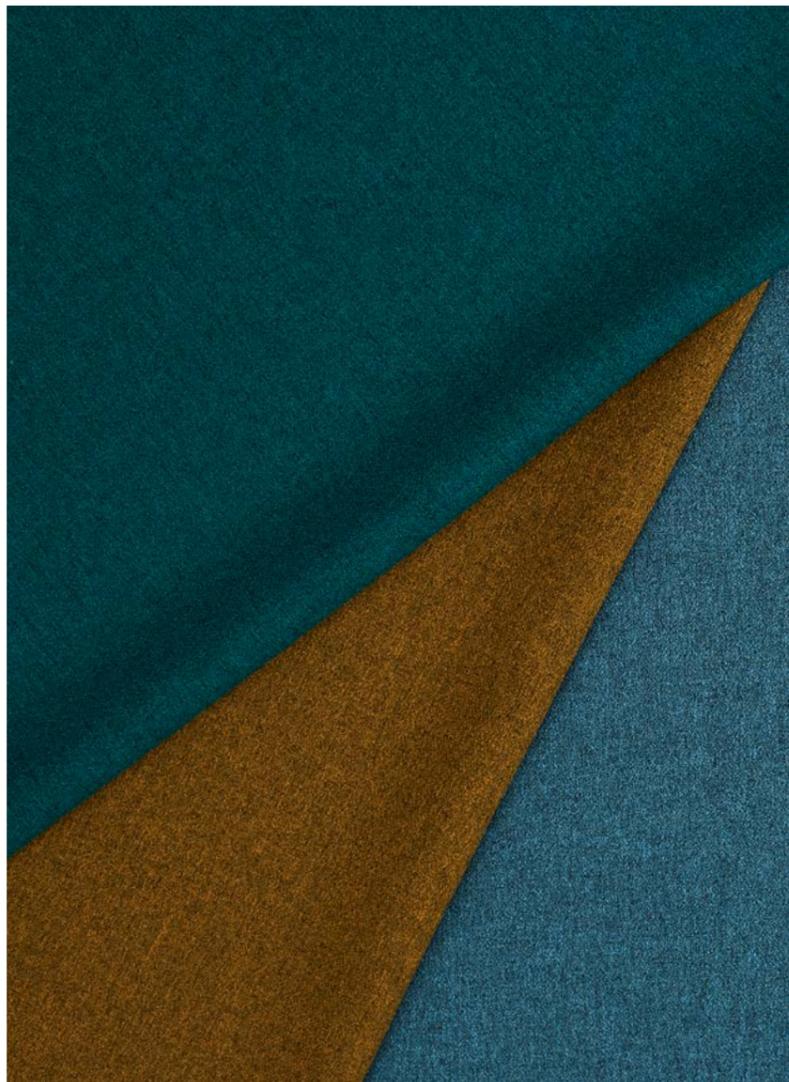
EN ISO 105 E03 color change 4 using 1:4 chlorine solution

(TSR3)

Available in 25 colorways

[View & Order Samples](#)

Upholstery



**Ratio**  
AK001



**Percentage**  
AK016



**Value**  
AK006

### Technical Information

#### Composition

100% Post-Consumer Recycled Polyester

#### Environmental

Certified to the EU Ecolabel  
Certified to OEKO-TEX® Standard 100  
Certified to Indoor Advantage™ Gold  
Made from 100% recycled polyester  
Non metallic dyestuffs

#### Abrasion Resistance

Independently certified to  
≥100,000 Martindale cycles.  
10 year guarantee.

#### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
DIN 4102 B1  
NF D 60-013  
ÖNORM B 3825 & A 3800-1  
(58 kg/m³ CMHR Foam)  
UNI 9175 Classe 1 IM

#### Bleach Cleanable

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

(TSR5)

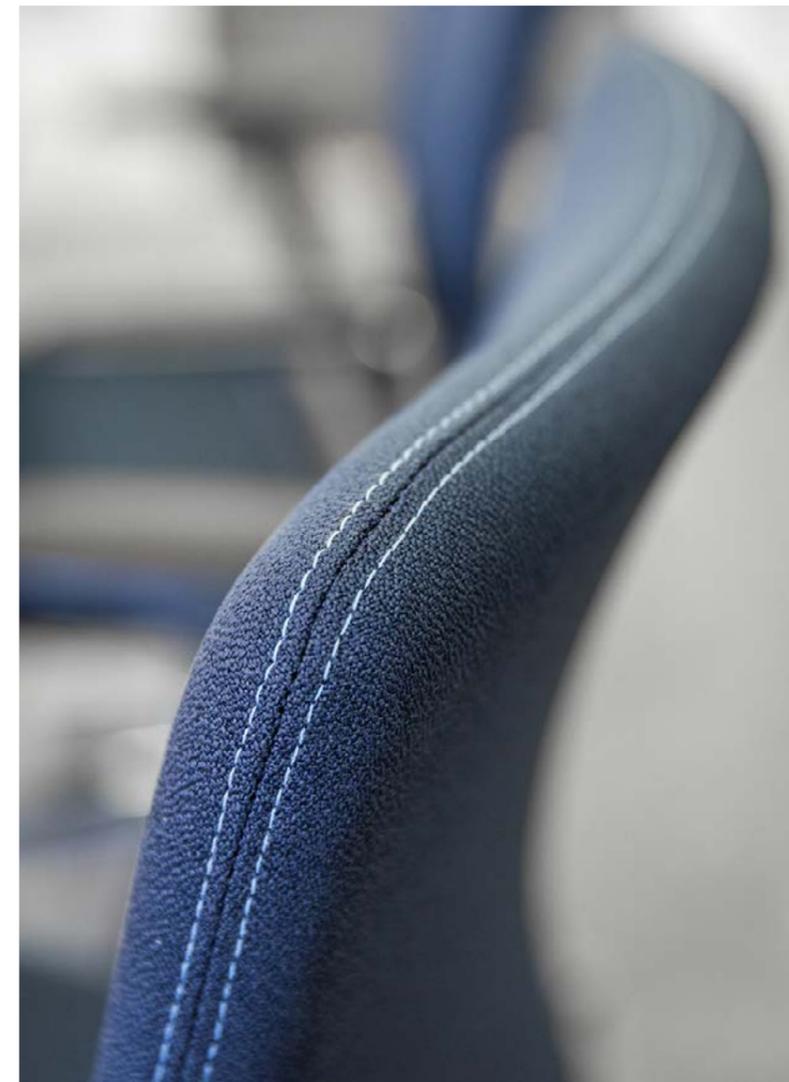
Available in 20 colorways

[View & Order Samples](#)

# X2

# Xtreme

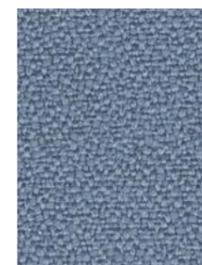
Upholstery



**Slip**  
YS094



**Rum**  
YS173



**Steel**  
YS095

### Technical Information

#### Composition

100% Post-Consumer Recycled Polyester

#### Environmental

Certified to the EU Ecolabel  
Certified to OEKO-TEX® Standard 100  
Certified to Indoor Advantage™ Gold  
Made from 100% recycled polyester  
Non metallic dyestuffs

#### Abrasion Resistance

Independently certified to  
≥100,000 Martindale cycles.  
10 year guarantee.

#### Flammability

EN 1021 - 1&2 (cigarette & match)  
BS 7176 Low Hazard  
BS 5852 Ignition Source 5  
BS 7176 Medium Hazard  
DIN 4102 B1  
NF D 60-013  
ÖNORM B 3825 & A 3800-1  
(over 58 kg/m³ CMHR foam)  
UNI 9175 Classe 1 IM  
BS 476 Part 7 Class 1 (Adhered)

#### Bleach Cleanable

EN ISO 105 E03 color change  
4 using 1:4 chlorine solution

(TSR9)

Available in 41 colorways

[View & Order Samples](#)

