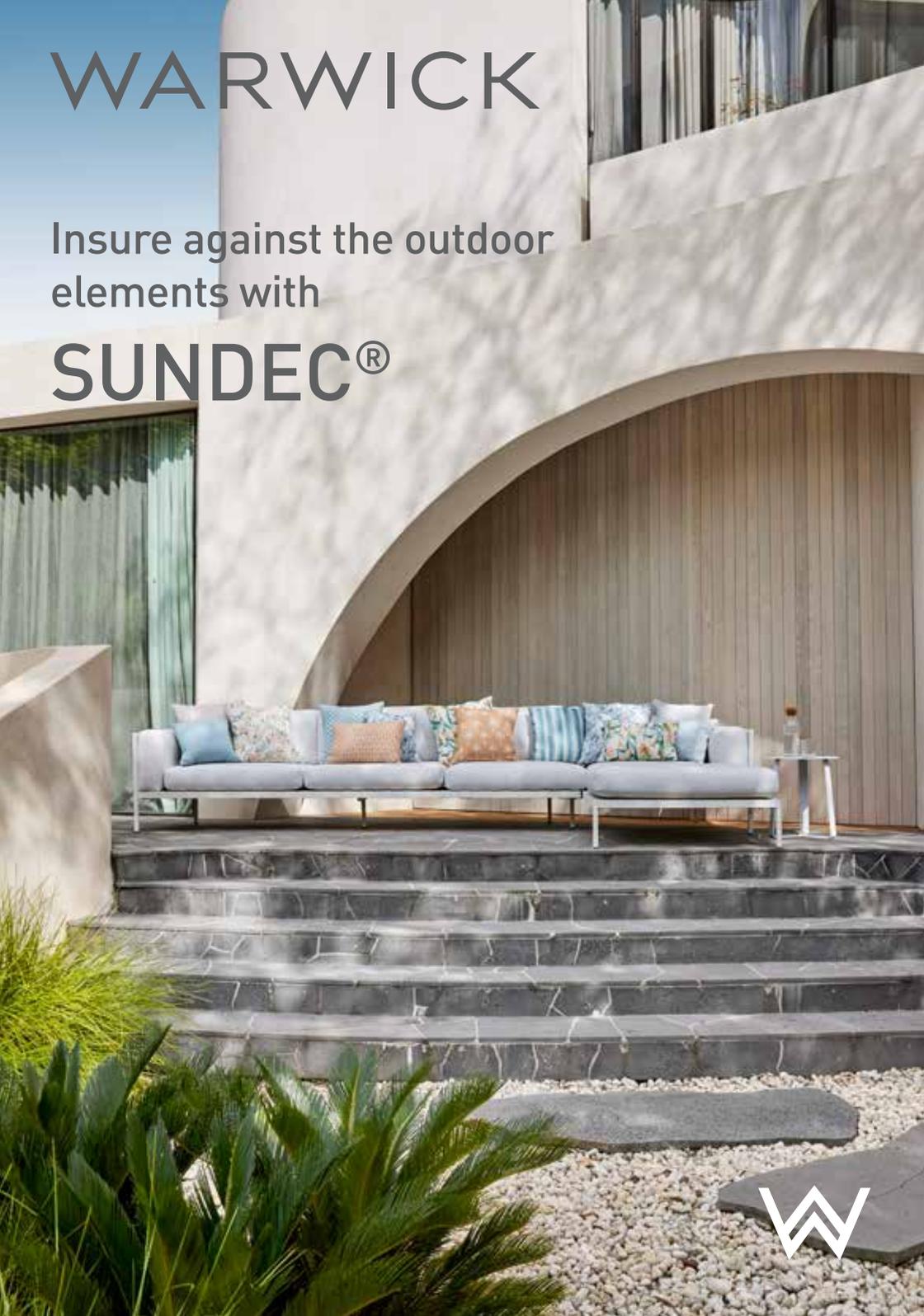


# WARWICK

Insure against the outdoor  
elements with

# SUNDEC®



# SUNDEC®

SUNDEC, the perfect fabric for all outdoor applications.

Whether in the garden, by the pool, on a boat, entertainment deck or an outdoor cafe, SUNDEC is designed to create a beautifully coordinating environment that can be effortlessly maintained no matter the conditions.

SUNDEC is a lightfast, durable and easy to clean partner for all year round indoor and outdoor decorative applications.

Developed to withstand commercial sunlight exposure requirements, mould and mildew growth, chlorine damage and general wear and tear.

If that's not enough, Warwick's SUNDEC includes water repellency and microbial hygiene protection making stylish outdoor living easier.



Front cover image - Sofa: Lomani Cloud Scatters: Altamira Natural, Palo Ocean, Loreto Jungle, Corozal Ocean, Altamira Ochre, Palawan Ocean, Senada Jungle, Polarmar Ochre, Hidalgo Ocean, Palawan Ocean, Senada Jungle, Mykonos Cloud, Polarmar Ocean  
This page - Lounges: Corozal Ocean, Palo Ocean, Scatters: Hidalgo Ocean, Senada Jungle, Loreto Jungle, Chair: Senada Jungle, Scatter: Corozal Ocean

Ottoman left: Palawan Coral, Ottoman right: Side-Hidalgo Coral, Top Lomani Cloud, Scatter: Palo Coral



# What is SUNDEC?

## Ultra Violet Resistant

SUNDEC fabrics have excellent ultraviolet blocking agents which protect the backbone of the fabric from the effects of UV radiation. SUNDEC fabrics have been tested for weathering, such as sun, rain and humidity, obtaining exceptional UV standards.

## Stain resistance

SUNDEC fabrics have been carefully processed and treated to reduce the fabric absorption of soil and stains.

## Water repellent

SUNDEC fabrics are protected by an invisible shield around each fibre to keep the fabric dry and clean. It is a natural anti-adherent.

## Cleanability

Due to the fabrics being treated with stain protection, the fabrics can be safely cleaned. We recommend the use of reticulated foam, which is a porous low density foam, allowing water and air to flow through easily.

## Versatile

SUNDEC fabrics are suitable for both indoor and outdoor use, offered in a variety of designs and colours to suit your home.

## Halo

SUNDEC fabrics are a part of our Halo range, meaning they are easy to clean, hard wearing and, put simply, built to last. Woven to precise specifications and tested to exacting standards for colourfastness, abrasion, safety in fabrics and inherent stain resistance. Additionally, Halo fabrics are resistant to pilling and mould/mildew while impervious to attack by moths, silverfish and insect pests.

## Colour and Scale

Please note the flat shots in this brochure are intended as a visual representation only. All designs are not 100% in scale and should be looked at in conjunction with the pattern repeat figures on pages 36-43.

It is recommended that a cutting be requested for colour and scale prior to any placement of orders.



Sofa: Mykonos Glacier,  
Scatters: Mykonos Ocean, Mombasa Melon, Mauritius Cobalt, Malindi Ocean,  
Mykonos Cobalt, Mykonos Melon



Avoca Turquoise



Avoca Turquoise (Reverse)



Kona Turquoise



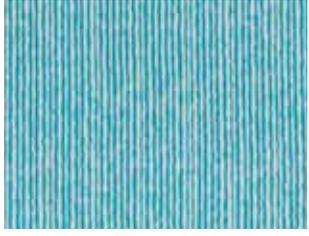
Yasawa Reef



Yasawa Reef (Reverse)



Nanuya Reef (Reverse)



Malindi Ocean



Malindi Ocean (Reverse)



Noosa Turquoise



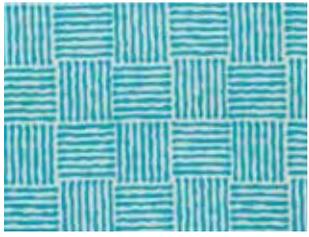
Corozal Ocean



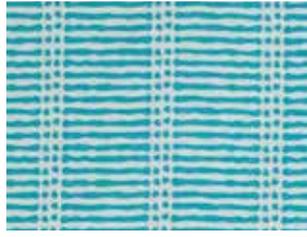
Corozal Ocean (Reverse)



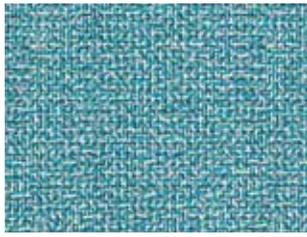
Nanuya Reef



Mombasa Ocean



Mauritius Ocean



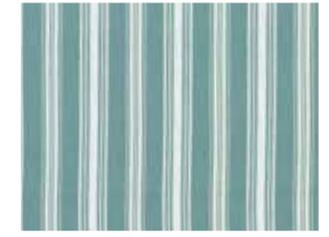
Kuata Reef



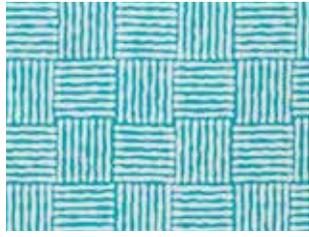
Palo Ocean



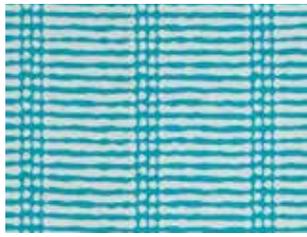
Lomani Ocean



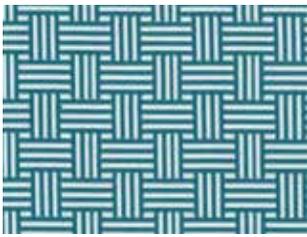
Hidalgo Ocean



Mombasa Ocean (Reverse)



Mauritius Ocean (Reverse)



Matacawa Reef



Palawan Ocean



Loreto Navy



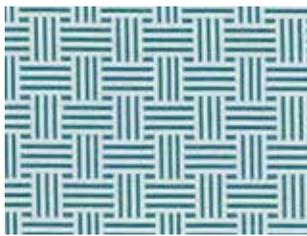
Altamira Ocean



Tulum Ocean



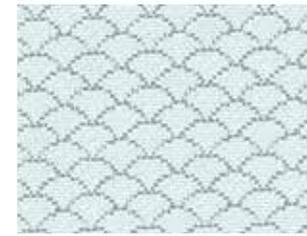
Tulum Ocean (Reverse)



Matacawa Reef (Reverse)



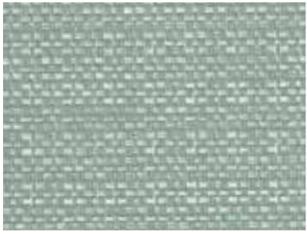
Macedon Pool



Palo Ocean (Reverse)



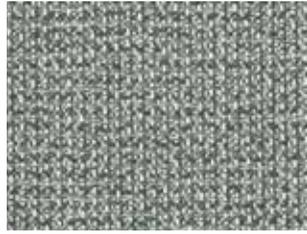
Mykonos Ocean



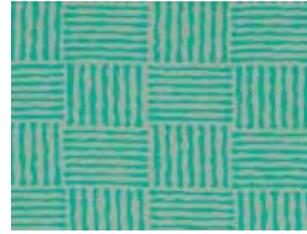
Mykonos Seafoam



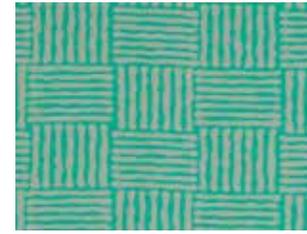
Polarmar Ocean



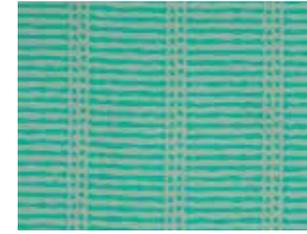
Kuata Gull



Mombasa Cascade



Mombasa Cascade (Reverse)



Mauritius Cascade



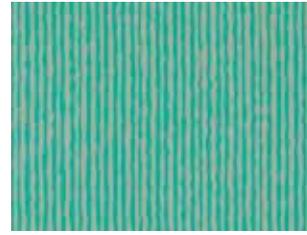
Sosa Ocean



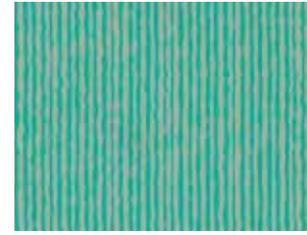
Sosa Ocean (Reverse)



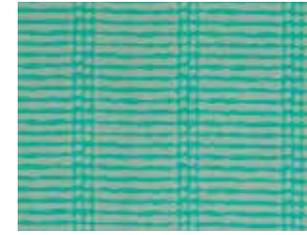
Lustrell Admiral Fog



Malindi Cascade



Malindi Cascade (Reverse)



Mauritius Cascade (Reverse)



Altamira Forest



Polarmar Forest



Loreto Forest



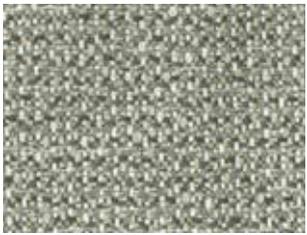
Mykonos Cascade



Senada Ocean



Loreto Ocean



Kuata Driftwood



Palawan Forest



Kona Pumice



Palo Celadon



Sosa Celadon



Corozal Celadon



Macedon Forest



Kuata Oyster



Kona Cloud



Palo Celadon (Reverse)



Sosa Celadon (Reverse)



Corozal Celadon (Reverse)



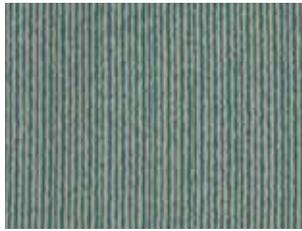
Malindi Forest



Mombasa Forest



Mauritius Forest



Malindi Forest (Reverse)



Mombasa Forest (Reverse)



Mauritius Forest (Reverse)



Sosa Forest



Sosa Forest (Reverse)



Palo Forest



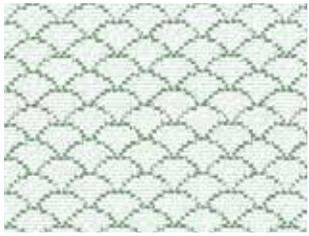
Corozal Forest



Corozal Forest (Reverse)



Palo Forest (Reverse)



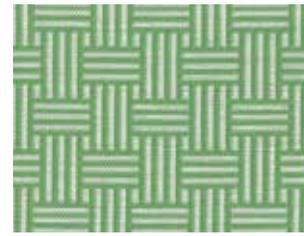
Palo Palm (Reverse)



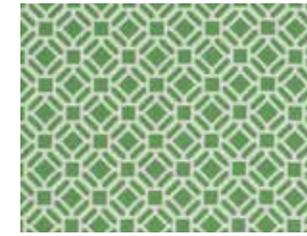
Corozal Palm (Reverse)



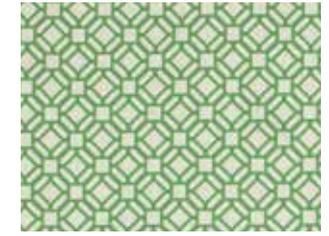
Sosa Palm (Reverse)



Matacawa Palm



Yasawa Palm



Yasawa Palm (Reverse)



Palo Palm



Corozal Palm



Sosa Palm



Matacawa Palm (Reverse)



Nanuya Palm



Nanuya Palm (Reverse)



Macedon Grass



Tulum Palm



Mykonos Palm



Malindi Palm (Reverse)



Malindi Palm



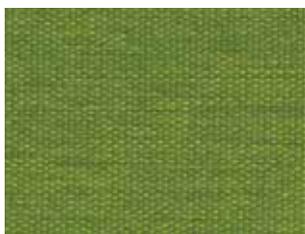
Mombasa Palm



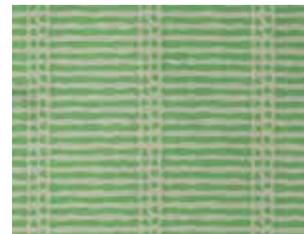
Kuata Palm



Tulum Palm (Reverse)



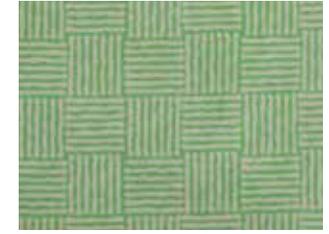
Lomani Lime



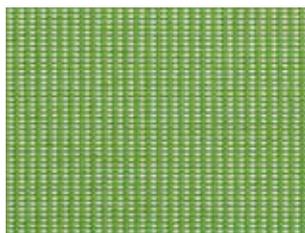
Mauritius Palm



Mauritius Palm (Reverse)



Mombasa Palm (Reverse)



Noosa Lime



Avoca Lime



Avoca Lime (Reverse)

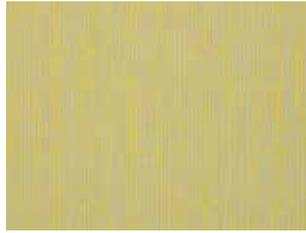


Kona Lime

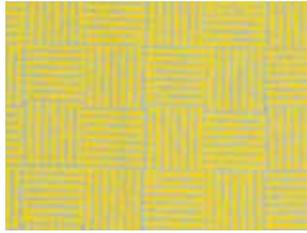


Scatters: (left to right) Kona Pebble with Lomani Cloud piping, Lomani Lime with Lomani Cloud piping, Lomani Cloud with Lomani Ash piping.

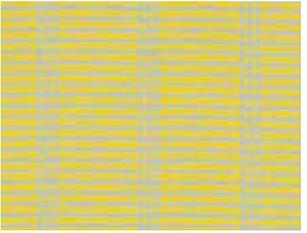
Scatters: Mombasa Melon, Mauritius Sunshine, Mykonos Melon



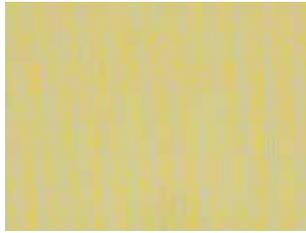
Malindi Sunshine



Mombasa Sunshine



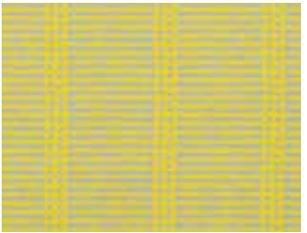
Mauritius Sunshine



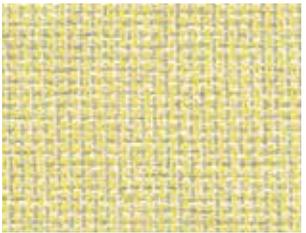
Malindi Sunshine (Reverse)



Mombasa Sunshine (Reverse)



Mauritius Sunshine (Reverse)



Kuata Sunshine



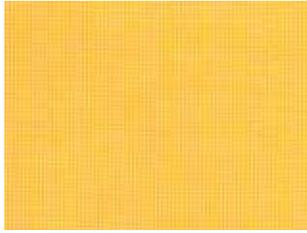
Avoca Sunshine



Avoca Sunshine (Reverse)



Mykonos Sunshine



Noosa Sunshine



Kona Sunshine



Lomani Sunshine



Avoca Melon (Reverse)



Avoca Melon



Lomani Calippo



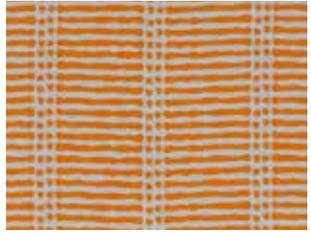
Polarmar Ochre



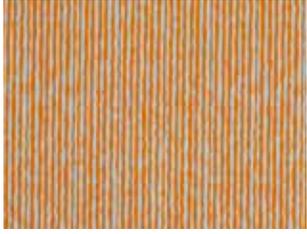
Altamira Ochre



Macedon Sherbet



Mauritius Melon



Malindi Melon



Mombasa Melon



Kona Calippo



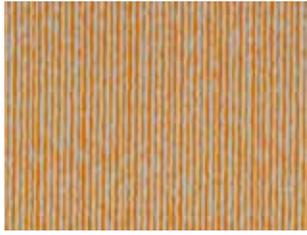
Macedon Terracotta



Senada Jungle



Mauritius Melon (Reverse)



Malindi Melon (Reverse)



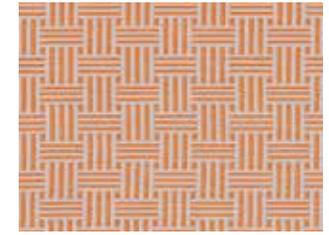
Mombasa Melon (Reverse)



Matacawa Lobster



Mykonos Melon



Matacawa Lobster (Reverse)



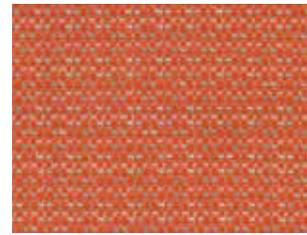
Nanuya Lobster



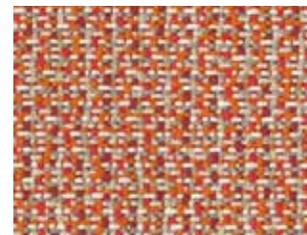
Nanuya Lobster (Reverse)



Yasawa Lobster (Reverse)



Mykonos Coral



Kuata Lobster



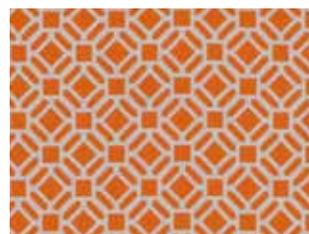
Noosa Melon



Tulum Melon



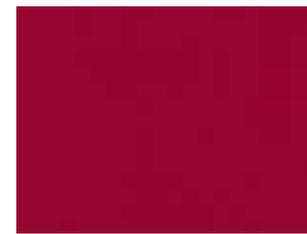
Tulum Melon (Reverse)



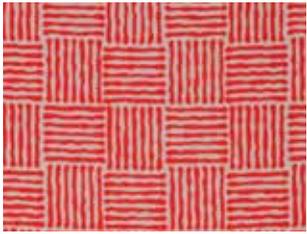
Yasawa Lobster



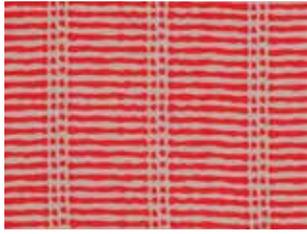
Noosa Lobster



Lustrell Commodore Lobster



Mombasa Lobster



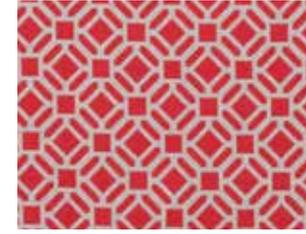
Mauritius Lobster



Mauritius Lobster (Reverse)



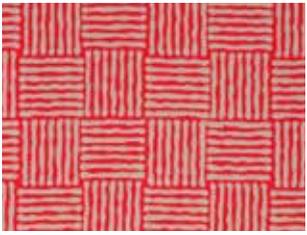
Lustrell Admiral Lobster



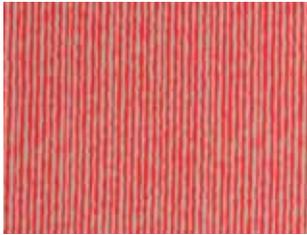
Yasawa Hibiscus



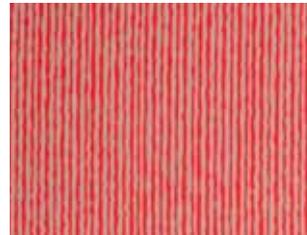
Yasawa Hibiscus (Reverse)



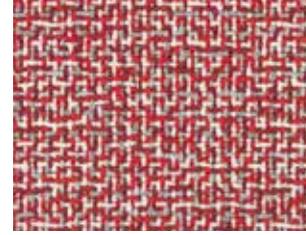
Mombasa Lobster (Reverse)



Malindi Lobster



Malindi Lobster (Reverse)



Kuata Hibiscus



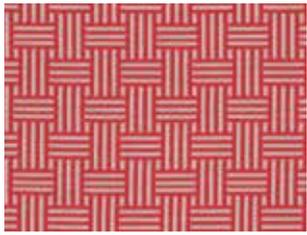
Kona Hibiscus



Mykonos Lobster



Nanuya Hibiscus



Matacawa Hibiscus



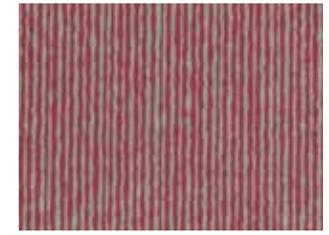
Matacawa Hibiscus (Reverse)



Mauritius Port



Mombasa Port



Malindi Port



Nanuya Hibiscus (Reverse)



Tulum Lobster (Reverse)



Lomani Hibiscus



Mauritius Port (Reverse)



Mombasa Port (Reverse)



Malindi Port (Reverse)



Avoca Lobster



Avoca Lobster (Reverse)



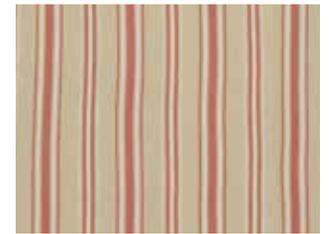
Tulum Lobster



Mykonos Port



Palawan Coral



Hidalgo Coral



Sosa Coral



Palo Coral



Corozal Coral



Palawan Jungle



Lomani Shell



Loreto Jungle



Sosa Coral (Reverse)



Palo Coral (Reverse)



Corozal Coral (Reverse)



Loreto Coral



Altamira Natural



Kona Shell



Senada Coral



Hidalgo Sand



Noosa Shell



Polarmar Natural



Kona Sand



Noosa Sand



Palo Sand



Sosa Sand



Corozal Sand



Corozal Natural (Reverse)



Sosa Natural (Reverse)



Palo Natural (Reverse)



Palo Sand (Reverse)



Sosa Sand (Reverse)



Corozal Sand (Reverse)



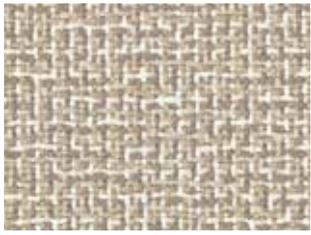
Corozal Natural



Sosa Natural



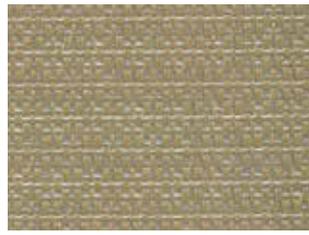
Palo Natural



Kuata Sand



Macedon Birch



Mykonos Sand



Lomani Sand



Tulum Sand



Tulum Sand (Reverse)



Nanuya Sand



Matacawa Sand



Yasawa Sand



Nanuya Sand (Reverse)



Matacawa Sand (Reverse)



Yasawa Sand (Reverse)



Lustrell Admiral Sand



Macedon Chalk



Lustrell Commodore Sand



Kona Stone



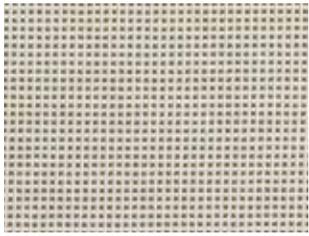
Mykonos Cloud



Lustrell Commodore Cloud



Seating: Lustrell Admiral Gull



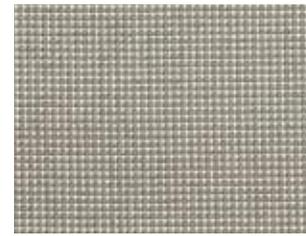
Noosa Natural



Lomani Cloud



Mykonos Pumice



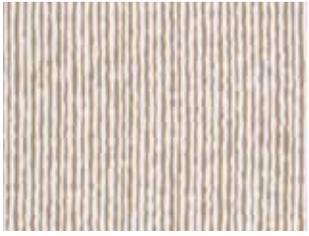
Noosa Stone



Kona Tan



Lustrell Admiral Driftwood



Malindi Sand



Mombasa Sand



Mauritius Sand



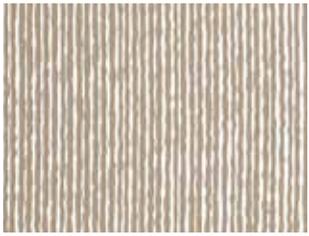
Mykonos Driftwood



Tulum Stone (Reverse)



Lomani Stone



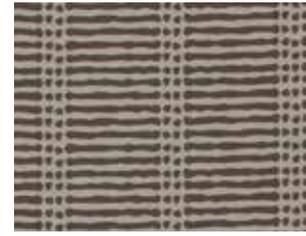
Malindi Sand (Reverse)



Mombasa Sand (Reverse)



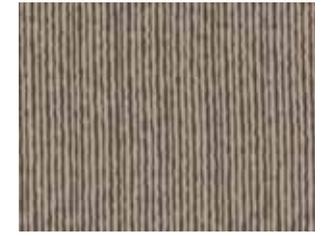
Mauritius Sand (Reverse)



Mauritius Stone



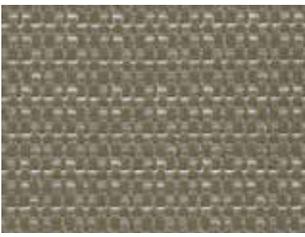
Tulum Stone



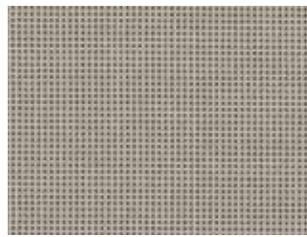
Malindi Stone



Lustrell Commodore Driftwood



Mykonos Stone



Noosa Pebble



Mauritius Stone (Reverse)



Mombasa Stone



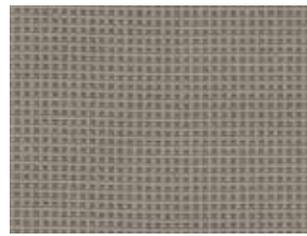
Malindi Stone (Reverse)



Avoca Stone



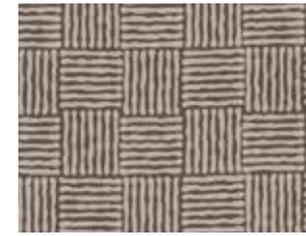
Avoca Stone (Reverse)



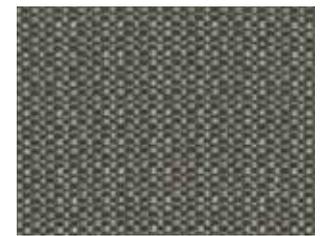
Noosa Shark



Lomani Pebble



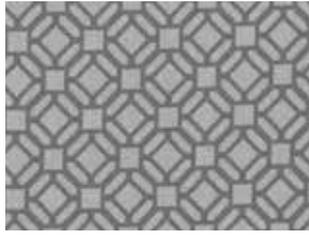
Mombasa Stone (Reverse)



Mykonos Pewter



Yasawa Gull



Yasawa Gull (Reverse)



Tulum Pumice



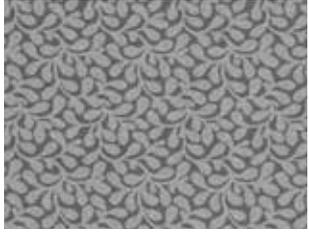
Mykonos Glacier



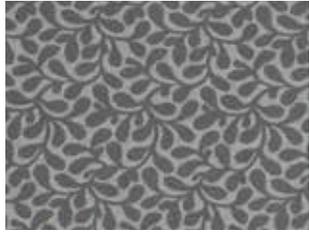
Corozal Silver



Corozal Silver (Reverse)



Nanuya Gull



Nanuya Gull (Reverse)



Tulum Pumice Reverse



Lomani Pumice



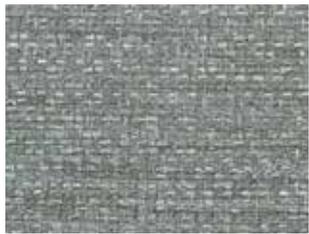
Lustrell Commodore Gull



Sosa Silver (Reverse)



Lustrell Commodore Steel



Macedon Pebble



Lustrell Admiral Steel



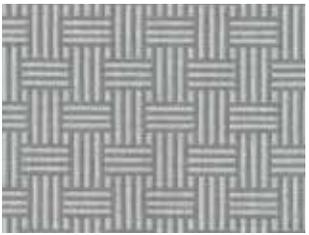
Palo Silver (Reverse)



Palo Silver



Sosa Silver



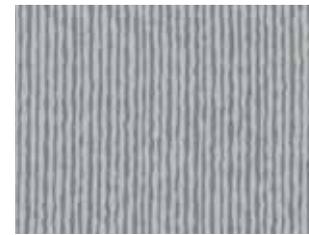
Matacawa Gull



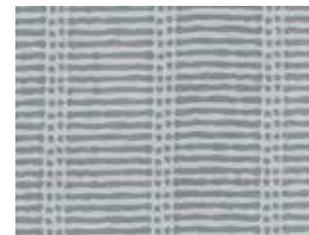
Matacawa Gull (Reverse)



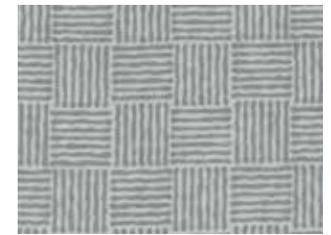
Lustrell Admiral Gull



Malindi Pewter



Mauritius Pewter



Mombasa Pewter



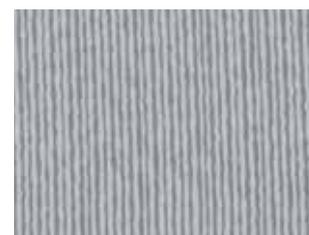
Macedon Possum



Kuata Pumice



Lustrell Commodore Fog



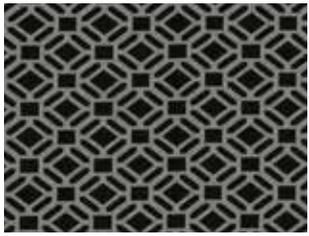
Malindi Pewter (Reverse)



Mauritius Pewter (Reverse)



Mombasa Pewter (Reverse)



Yasawa Basalt



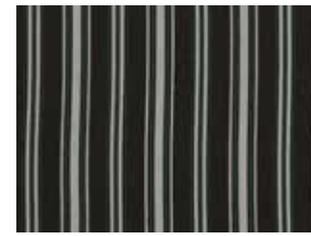
Nanuya Basalt (Reverse)



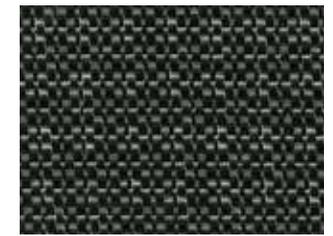
Matacawa Basalt



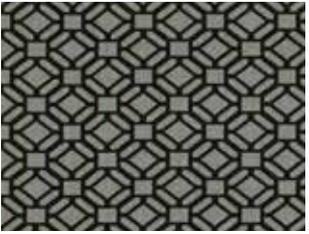
Sosa Jet (Reverse)



Hidalgo Jet



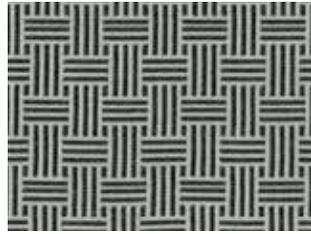
Mykonos Jet



Yasawa Basalt (Reverse)



Nanuya Basalt



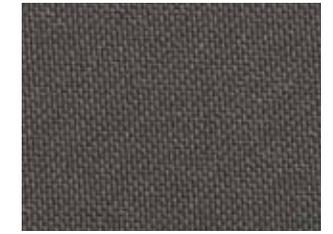
Matacawa Basalt (Reverse)



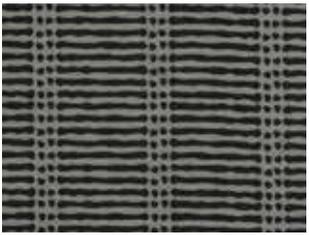
Sosa Jet



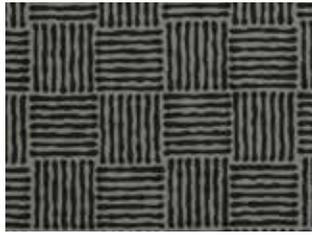
Kona Ash



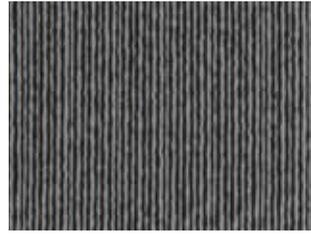
Kona Pebble



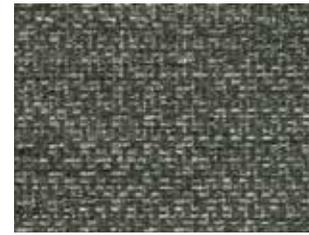
Mauritius Jet



Mombasa Jet



Malindi Jet



Macedon Panda



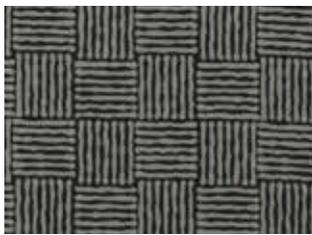
Corozal Jet (Reverse)



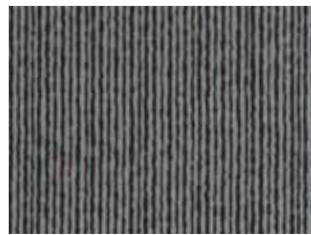
Corozal Jet



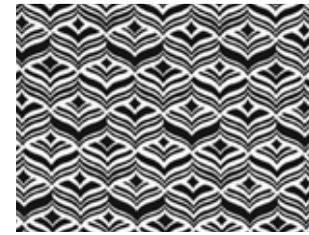
Mauritius Jet (Reverse)



Mombasa Jet (Reverse)



Malindi Jet (Reverse)



Avoca Ash



Lustrell Admiral Basalt



Lomani Ash



Kona Pebble



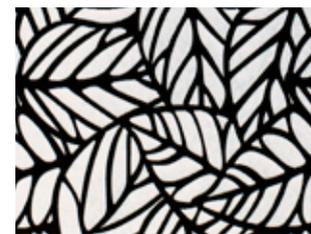
Macedon Fawn



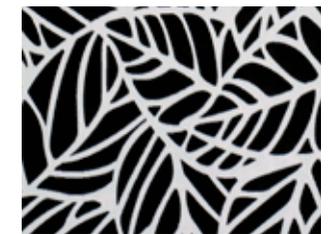
Noosa Ash



Avoca Ash



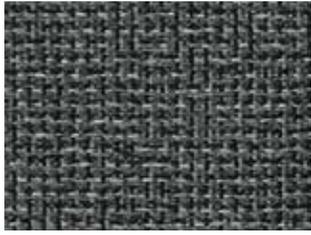
Tulum Ash (Reverse)



Tulum Ash



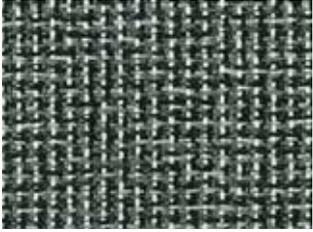
Macedon Caviar



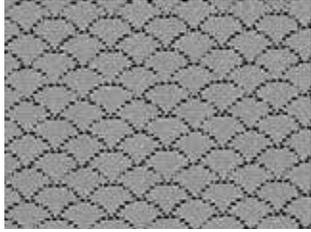
Kuata Basalt



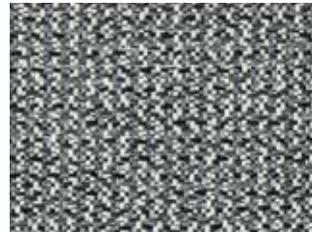
Lustrell Commodore Basalt



Kuata Orca



Palo Jet (Reverse)



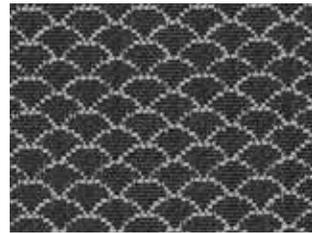
Kuata Stone



Hidalgo Navy



Corozal Navy



Palo Jet



Macedon Navy



Corozal Navy (Reverse)



Mykonos Navy



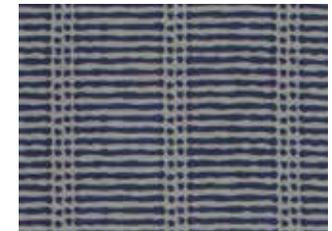
Ottoman: Tulum Ash, Piping: Lomani Ash



Malindi Navy



Mombasa Navy



Mauritius Navy



Sosa Navy (Reverse)



Sosa Navy



Malindi Navy (Reverse)



Mombasa Navy (Reverse)



Mauritius Navy (Reverse)



Macedon Reef



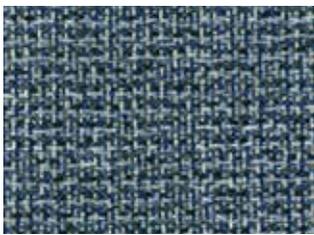
Senada Navy



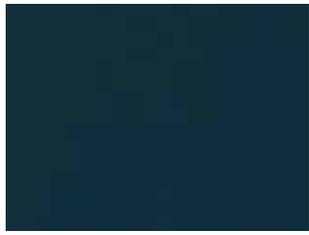
Kona Ocean



Lustrell Admiral Navy



Kuata Marine



Lustrell Commodore Navy



Matacawa Marine



Matacawa Marine (Reverse)



Altamira Navy



Palawan Navy



Polarmar Navy



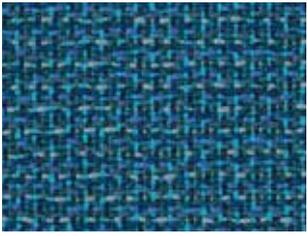
Palo Navy



Palo Navy (Reverse)



Chair: Senada Jungle, Scatter: Corozal Ocean



Kuata Lagoon



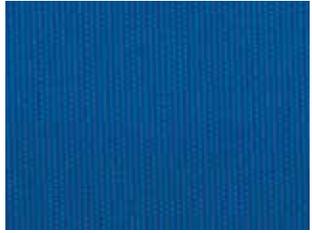
Lustrell Admiral Pacific



Lustrell Commodore Pacific



Lomani Lagoon



Kona Lagoon



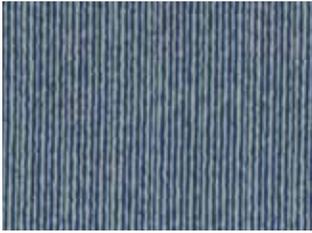
Mykonos Cobalt



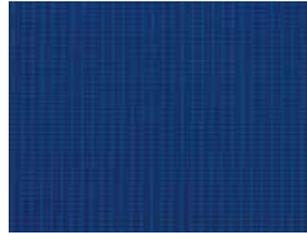
Chair: Mauritius Jet, Scatters: Mykonos Cobalt, Malindi Ocean, Mauritius Cobalt



Mauritius Cobalt



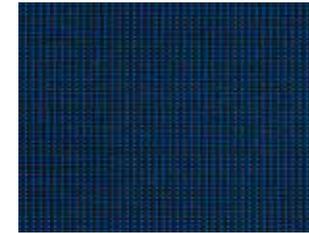
Malindi Cobalt



Noosa Marine



Kona Marine



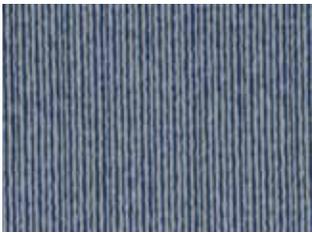
Noosa Navy



Lomani Navy



Mauritius Cobalt (Reverse)



Malindi Cobalt (Reverse)



Mombasa Cobalt (Reverse)



Tulum Marine



Tulum Marine (Reverse)



Avoca Marine



Mombasa Cobalt



Yasawa Marine



Yasawa Marine (Reverse)



Nunuya Marine



Nunuya Marine (Reverse)



Avoca Marine (Reverse)

# Test Results

Specifications	Altamira	Avoca	Corozal	Hidalgo
Brand	SUNDEC/ Halo	SUNDEC/ Halo	SUNDEC/ Halo	SUNDEC/ Halo
Composition	100% Polyester	100% Olefin	100% Olefin	100% Olefin
Pattern Repeat (cm)	H:8 x V:6.5	H:17.5 x V:24	H:3.5 x V:4	H:Stripe x V:12
Railroaded	No	No	No	Yes
Width (cm)	140	140	150	150
Weight (gsm)	330	310	369	369
Origin	Non EU	Non EU	Non EU	Non EU
Stain Repellent	Fluro Chem	Fluro Chem	Fluro Chem	Fluro Chem
<b>Durability</b>				
Martindale (ISO 12947)	20,000-40,000	15,000-20,000	15,000 - 20,000	15,000-20,000
Usage	Drapery / Heavy Domestic General Commercial	Drapery/General Domestic	General Domestic	General Domestic
<b>Colourfastness</b>				
To Light - Xenon Arc (ISO 105-B02)	>7	>6	>7	>7
To Rubbing (ISO 105-X12)	Dry 5, Wet 5	Dry 4/5, Wet 4/5	Dry 5, Wet 5	Dry 5, Wet 5
To Shampoo (AS2111.19.2)	5	5	5	5
To Perspiration (ISO 105-E04)		5	5	5
To Water (ISO 105-E01)	5	5	5	5
To Dry Cleaning Solvent (ISO 105-D01:1993)	5	5	5	5
To Washing (ISO 105-C06,B1S)	5	5	5	5
To Seawater (ISO 105-E02:1994)	5	-	5	5
To Chlorinated water (ISO 105-E03:1994, 5mg/L)	5	-	5	5
<b>Resistance to Mildew</b>				
Resistance to Mildew (AATCC 30, Test III)	No fungal growth observed. Zone of inhibition: 44mm. Antifungal activity observed.			
<b>Pilling</b>				
Pilling (ISO 12945.2)	5	5	5	5
<b>Seam Slippage (ISO 13936.2)</b>				
Warp	4.3	3.0	4.1	4.1
Weft	4.7	2.8	4.5	4.5
<b>Dimensional chg launder (AS5077/ISO6330.7BA)</b>				
Warp	-2.8	-0.3	-1.0	-1.0
Weft	-3.2	-0.2	-0.3	-0.3
<b>Dimensional chg hanging (AS26631 B-1997)</b>				
Warp	0	0	-	-
Weft	0	0	-	-
<b>Free Formaldehyde</b>				
Free Formaldehyde (ISO 14184-1:1998)	Not Detectable	Not Detectable	Not Detectable	Not Detectable
<b>Fire Hazard Properties (AS1530.3)</b>				
Ignitability Index	12	13	14	14
Spread of Flame Index	9	0	0	0
Heat Evolved Index	3	2	2	2
Smoke Developed Index	5	2	3	3

Specifications	Kona	Kuata	Lomani	Requirements
Brand	SUNDEC/ Halo	SUNDEC/ Halo	SUNDEC/ Halo	
Composition	100% Olefin	100% Olefin	100% Olefin	
Pattern Repeat (cm)	Plain	Plain	Plain	
Railroaded	Plain	No	Plain	
Width (cm)	140	140	150	
Weight (gsm)	277	460	277	
Origin	Non EU	Non EU	Non EU	
Stain Repellent	Fluro Chem	Fluro chem	Fluro Chem	
<b>Durability</b>				
Martindale (ISO 12947)	20,000-40,000	42,500 (Wyzen. ASTM D3597)	150,000	15,000 - 20,000
Usage	Drapery / Heavy Domestic General Commercial	Heavy Commercial	Drapery/ Heavy Comercial	
<b>Colourfastness</b>				
To Light - Xenon Arc (ISO 105-B02)	>7	>7	>6	Minimum 5
To Rubbing (ISO 105-X12)	Dry 5, Wet 5	Dry 5, Wet 5	Dry 4, Wet 5	Minimum Dry 4, Wet 4
To Shampoo (AS2111.19.2)	5	5	5	Minimum 4
To Perspiration (ISO 105-E04)	5	-	5	Minimum 4
To Water (ISO 105-E01)	5	5	5	Minimum 4
To Dry Cleaning Solvent (ISO 105-D01:1993)	5	5	5	Minimum 4
To Washing (ISO 105-C06,B1S)	5	4	5	Minimum 4
To Seawater (ISO 105-E02:1994)	5	5	5	
To Chlorinated water (ISO 105-E03:1994, 5mg/L)	5	-	5	
<b>Resistance to Mildew</b>				
Resistance to Mildew (AATCC 30, Test III)	No fungal growth observed. Zone of inhibition: 44mm. Antifungal activity observed.			
<b>Pilling</b>				
Pilling (ISO 12945.2)	5	5	5	Minimum 3/4
<b>Seam Slippage (ISO 13936.2)</b>				
Warp	2.6	3.3	2.0	Under 6
Weft	2.8	1.9	2.0	Under 6
<b>Dimensional chg launder (AS5077/ISO6330.7BA)</b>				
Warp	-0.3	0.0	0.4	Maximum 5 (++)
Weft	-0.1	0.2	0.3	Maximum 5 (++)
<b>Dimensional chg hanging (AS26631 B-1997)</b>				
Warp	0.0	-	0	
Weft	0.0	-	0	
<b>Free Formaldehyde</b>				
Free Formaldehyde (ISO 14184-1:1998)	Not Detectable	Not Detectable	Not Detectable	Under 100ug/g
<b>Fire Hazard Properties (AS1530.3)</b>				
Ignitability Index	13	13	13	Range 0-20
Spread of Flame Index	0	0	0	Range 0-10
Heat Evolved Index	2	1	2	Range 0-10
Smoke Developed Index	2	5	2	Range 0-10

# Test Results

Specifications	Loreto	Lustrell Admiral	Lustrell Commodore	Requirements
Brand	SUNDEC/ Halo	SUNDEC/ Healthguard/ Lustrell	SUNDEC/ Healthguard/ Lustrell	
Composition	100% Polyester	90% PVC 10% Polyester	92% PVC 8% Polyester	
Pattern Repeat (cm)	H:34.5 x V:34	Plain	Plain	
Railroaded	No	Plain	Plain	
Width (cm)	140	137	137	
Weight (gsm)	330	685	747	
Origin	Non EU	Non EU	Non EU	
Strain Repellent	Fluro Chem	OnGuard	OnGuard	
<b>Durability</b>				
Martindale (ISO 12947)	20,000-40,000	150,000	150,000	15,000 - 20,000
Usage	Drapery / Heavy Domestic / General Commercial	Heavy Commercial	Heavy Commercial	
<b>Colourfastness</b>				
To Light - Xenon Arc (ISO 105-B02)	>7	>7	>7	Minimum 5
To Rubbing (ISO 105-X12)	Dry 5, Wet 5	Dry 5, Wet 5	Dry 5, Wet 5	Minimum Dry 4, Wet 4
To Shampoo (AS2111.19.2)	5	5	5	Minimum 4
To Perspiration (ISO 105-E04)	5	5	5	Minimum 4
To Water (ISO 105-E01)	5	5	5	Minimum 4
To Dry Cleaning Solvent (ISO 105-D01:1993)	5	-	-	Minimum 4
To Washing (ISO 105-C06,B1S)	5	-	-	Minimum 4
To Seawater (ISO 105-E02:1994)	5	5	5	
To Chlorinated water (ISO 105-E03:1994, 5mg/L)	5	-	-	
<b>Resistance to Mildew</b>				
Resistance to Mildew (AATCC 30, Test III)	No fungal growth observed. Zone of inhibition: 44mm. Antifungal activity observed.			
<b>Pilling</b>				
Pilling (ISO 12945.2)	5	-	-	Minimum 3/4
<b>Seam Slippage (ISO 13936.2)</b>				
Warp	4.3	2.0	3.8	Under 6
Weft	4.7	2.0	3.9	Under 6
<b>Dimensional chg launder (AS5077/ISO6330.7BA)</b>				
Warp	-2.8	-	-	Maximum 5 (+-)
Weft	-3.2	-	-	Maximum 5 (+-)
<b>Dimensional chg hanging (AS26631 B-1997)</b>				
Warp	0	-	-	
Weft	0	-	-	
<b>Free Formaldehyde</b>				
Free Formaldehyde (ISO 14184-1:1998)	Not Detectable	Not Detectable	Not Detectable	Under 100ug/g
<b>Fire Hazard Properties (AS1530.3)</b>				
Ignitability Index	12	13	18	Range 0-20
Spread of Flame Index	9	0	0	Range 0-10
Heat Evolved Index	3	1	1	Range 0-10
Smoke Developed Index	5	7	6	Range 0-10

Specifications	Macedon	Malindi	Matacawa	Requirements
Brand	SUNDEC/ Halo	SUNDEC/ Halo	SUNDEC/ Halo	
Composition	100% Olefin	100% Polypropylene	100% Polypropylene	
Pattern Repeat (cm)	Plain	H:33.5 x V:41	H:4.5 x V:4.5	
Railroaded	Plain	No	No	
Width (cm)	140	140	140	
Weight (gsm)	418	303	303	
Origin	Non EU	Non EU	Non EU	
Strain Repellent	Fluro Chem	Fluro Chem	Fluro Chem	
<b>Durability</b>				
Martindale (ISO 12947)	20,000 - 40,000	15,000 - 20,000	15,000 - 20,000	15,000 - 20,000
Usage	Heavy Domestic / General Commercial	Drapery / General Domestic	Drapery / General Domestic	
<b>Colourfastness</b>				
To Light - Xenon Arc (ISO 105-B02)	>7	>7	>7	Minimum 5
To Rubbing (ISO 105-X12)	Dry 4/5, Wet 5	Dry 5, Wet 5	Dry 5, Wet 5	Minimum Dry 4, Wet 4
To Shampoo (AS2111.19.2)	5	5	5	Minimum 4
To Perspiration (ISO 105-E04)	5	5	5	Minimum 4
To Water (ISO 105-E01)	5	5	5	Minimum 4
To Dry Cleaning Solvent (ISO 105-D01:1993)	5	5	5	Minimum 4
To Washing (ISO 105-C06,B1S)	5	5	5	Minimum 4
To Seawater (ISO 105-E02:1994)	5	5	5	
To Chlorinated water (ISO 105-E03:1994, 5mg/L)	5	5	5	
<b>Resistance to Mildew</b>				
Resistance to Mildew (AATCC 30, Test III)	No fungal growth observed. Zone of inhibition: 44mm. Antifungal activity observed.			
<b>Pilling</b>				
Pilling (ISO 12945.2)	5	5	5	Minimum 3/4
<b>Seam Slippage (ISO 13936.2)</b>				
Warp	3.1	4.3	4.3	Under 6
Weft	3.5	4.0	4.0	Under 6
<b>Dimensional chg launder (AS5077/ISO6330.7BA)</b>				
Warp	-1.2	-0.6	-0.6	Maximum 5 (+-)
Weft	-1.1	-0.3	-0.3	Maximum 5 (+-)
<b>Dimensional chg hanging (AS26631 B-1997)</b>				
Warp	-	0.2	0.2	
Weft	-	0.2	0.2	
<b>Free Formaldehyde</b>				
Free Formaldehyde (ISO 14184-1:1998)	Not Detectable	Not Detectable	Not Detectable	Under 100ug/g
<b>Fire Hazard Properties (AS1530.3)</b>				
Ignitability Index	14	16	16	Range 0-20
Spread of Flame Index	0	0	0	Range 0-10
Heat Evolved Index	2	0	0	Range 0-10
Smoke Developed Index	2	3	3	Range 0-10

# Test Results

Specifications	Mauritius	Mombasa	Mykonos	Requirements
Brand	SUNDEC/ Halo	SUNDEC/ Halo	SUNDEC/ Halo	
Composition	100% Polypropylene	100% Polypropylene	100% Polypropylene	
Pattern Repeat (cm)	H:35 x V:15	H:34.5 x V:34.5	Plain	
Railroaded	No	No	Plain	
Width (cm)	140	140	150	
Weight (gsm)	303	303	357	
Origin	Non EU	Non EU	Non EU	
Strain Repellent	Fluro Chem	Fluro Chem	Fluro Chem	
<b>Durability</b>				
Martindale (ISO 12947)	15,000 - 20,000	15,000 - 20,000	15,000 - 20,000 (Wyzen. ASTM D3597)	15,000 - 20,000
Usage	Drapery/ General Domestic	Drapery/ General Domestic	Heavy Domestic/ General Commercial	
<b>Colourfastness</b>				
To Light - Xenon Arc (ISO 105-B02)	>7	>7	>7	Minimum 5
To Rubbing (ISO 105-X12)	Dry 5, Wet 5	Dry 5, Wet 5	Dry 5, Wet 5	Minimum Dry 4, Wet 4
To Shampoo (AS2111.19.2)	5	5	5	Minimum 4
To Perspiration (ISO 105-E04)	5	5	5	Minimum 4
To Water (ISO 105-E01)	5	5	5	Minimum 4
To Dry Cleaning Solvent (ISO 105-D01:1993)	5	5	5	Minimum 4
To Washing (ISO 105-C06,B1S)	5	5	5	Minimum 4
To Seawater (ISO 105-E02:1994)	5	5	5	
To Chlorinated water (ISO 105-E03:1994, 5mg/L)	5	5	-	

Resistance to Mildew	No fungal growth observed. Zone of inhibition: 44mm. Antifungal activity observed.			
Resistance to Mildew (AATCC 30,Test III)				

Pilling	Minimum 3/4			
Pilling (ISO 12945.2)	5	5	5	Minimum 3/4
<b>Seam Slippage (ISO 13936.2)</b>				
Warp	4.3	4.3	3.8	Under 6
Weft	4.0	4.0	3.8	Under 6

Dimensional chg laundry (AS5077/ISO6330.7BA)	Maximum 5 (+-)			
Warp	-0.6	-0.6	-0.7	Maximum 5 (+-)
Weft	-0.3	-0.3	-1.4	Maximum 5 (+-)

Dimensional chg hanging (AS26631 B-1997)				
Warp	0.2	0.2	-	
Weft	0.2	0.2	-	

Free Formaldehyde	Under 100ug/g			
Free Formaldehyde (ISO 14184-1:1998)	Not Detectable	Not Detectable	Not Detectable	Under 100ug/g

Fire Hazard Properties (AS1530.3)	Range 0-10			
Ignitability Index	16	16	13	Range 0-20
Spread of Flame Index	0	0	0	Range 0-10
Heat Evolved Index	0	0	1	Range 0-10
Smoke Developed Index	3	3	5	Range 0-10

Specifications	Nanuya	Noosa	Palawan	Requirements
Brand	SUNDEC/ Halo	SUNDEC/ Halo	SUNDEC/ Halo	
Composition	100% Polypropylene	100% Olefin	100% Polyester	
Pattern Repeat (cm)	H:12 x V:23	Plain	H:34 x V:45.5	
Railroaded	No	Plain	No	
Width (cm)	140	140	140	
Weight (gsm)	303	227	330	
Origin	Non EU	Non EU	Non EU	
Strain Repellent	Fluro Chem	Fluro Chem	Fluro Chem	
<b>Durability</b>				
Martindale (ISO 12947)	15,000 - 20,000	15,000 - 20,000	15,000 - 20,000	15,000 - 20,000
Usage	Drapery/ General Domestic	Drapery/ General Domestic	Drapery/ Heavy Domestic / General Commercial	
<b>Colourfastness</b>				
To Light - Xenon Arc (ISO 105-B02)	>7	>6	>7	Minimum 5
To Rubbing (ISO 105-X12)	Dry 5, Wet 5	Dry 5, Wet 5	Dry 5, Wet 5	Minimum Dry 4, Wet 4
To Shampoo (AS2111.19.2)	5	5	5	Minimum 4
To Perspiration (ISO 105-E04)	5	5	5	Minimum 4
To Water (ISO 105-E01)	5	5	5	Minimum 4
To Dry Cleaning Solvent (ISO 105-D01:1993)	5	5	5	Minimum 4
To Washing (ISO 105-C06,B1S)	5	5	5	Minimum 4
To Seawater (ISO 105-E02:1994)	5	5	5	
To Chlorinated water (ISO 105-E03:1994, 5mg/L)	5	5	5	

Resistance to Mildew	No fungal growth observed. Zone of inhibition: 44mm. Antifungal activity observed.			
Resistance to Mildew (AATCC 30,Test III)				

Pilling	Minimum 3/4			
Pilling (ISO 12945.2)	5	5	5	Minimum 3/4
<b>Seam Slippage (ISO 13936.2)</b>				
Warp	4.3	2.0	4.3	Under 6
Weft	4.0	2.0	4.7	Under 6

Dimensional chg laundry (AS5077/ISO6330.7BA)	Maximum 5 (+-)			
Warp	-0.6	0.0	-2.8	Maximum 5 (+-)
Weft	-0.3	0.0	-3.2	Maximum 5 (+-)

Dimensional chg hanging (AS26631 B-1997)				
Warp	0.2	-	0	
Weft	0.2	-	0	

Free Formaldehyde	Under 100ug/g			
Free Formaldehyde (ISO 14184-1:1998)	Not Detectable	Not Detectable	Not Detectable	Under 100ug/g

Fire Hazard Properties (AS1530.3)	Range 0-10			
Ignitability Index	16	13	12	Range 0-20
Spread of Flame Index	0	0	9	Range 0-10
Heat Evolved Index	0	2	3	Range 0-10
Smoke Developed Index	3	2	5	Range 0-10

# Test Results

Specifications	Palo	Polarmar	Senada	Requirements
Brand	SUNDEC/ Halo	SUNDEC/ Halo	SUNDEC/ Halo	
Composition	100% Olefin	100% Polyester	100% Polyester	
Pattern Repeat (cm)	H:2.5 x V:1.5	H:9.5 x V:17	H:140 x V:44.5	
Railroaded	No	No	No	
Width (cm)	150	140	140	
Weight (gsm)	369	330	330	
Origin	Non EU	Non EU	Non EU	
Strain Repellent	Fluro Chem	Fluro Chem	Fluro Chem	
<b>Durability</b>				
Martindale (ISO 12947)	15,000 - 20,000	20,000 - 40,000	20,000 - 40,000	15,000 - 20,000
Usage	General Domestic	Drapery/ Heavy Domestic General Commercial	Drapery/ Heavy Domestic General Commercial	
<b>Colourfastness</b>				
To Light - Xenon Arc (ISO 105-B02)	>7	>7	>7	Minimum 5
To Rubbing (ISO 105-X12)	Dry 5, Wet 5	Dry 5, Wet 5	Dry 5, Wet 5	Minimum Dry 4, Wet 4
To Shampoo (AS2111.19.2)	5	5	5	Minimum 4
To Perspiration (ISO 105-E04)	5			Minimum 4
To Water (ISO 105-E01)	5	5	5	Minimum 4
To Dry Cleaning Solvent (ISO 105-D01:1993)	5	5	5	Minimum 4
To Washing (ISO 105-C06,B1S)	5	5	5	Minimum 4
To Seawater (ISO 105-E02:1994)	5	5	5	
To Chlorinated water (ISO 105-E03:1994, 5mg/L)	5	5	5	
<b>Resistance to Mildew</b>				
Resistance to Mildew (AATCC 30,Test III)	No fungal growth observed. Zone of inhibition: 44mm. Antifungal activity observed.			
<b>Pilling</b>				
Pilling (ISO 12945.2)	5	5	5	Minimum 3/4
<b>Seam Slippage (ISO 13936.2)</b>				
Warp	4.1	4.3	4.3	Under 6
Weft	4.5	4.7	4.7	Under 6
<b>Dimensional chg launder (AS5077/ISO6330.7BA)</b>				
Warp	-1.0	-2.8	-2.8	Maximum 5 (+-)
Weft	-0.3	-3.2	-3.2	Maximum 5 (+-)
<b>Dimensional chg hanging (AS26631 B-1997)</b>				
Warp	-	0	0	
Weft	-	0	0	
<b>Free Formaldehyde</b>				
Free Formaldehyde (ISO 14184-1:1998)	Not Detectable	Not Detectable	Not Detectable	Under 100ug/g
<b>Fire Hazard Properties (AS1530.3)</b>				
Ignitability Index	14	12	12	Range 0-20
Spread of Flame Index	0	9	9	Range 0-10
Heat Evolved Index	2	3	3	Range 0-10
Smoke Developed Index	3	5	5	Range 0-10

Specifications	Sosa	Tulum	Yasawa	Requirements
Brand	SUNDEC/ Halo	SUNDEC/ Halo	SUNDEC/ Halo	
Composition	100% Olefin	100% Olefin	100% Polypropylene	
Pattern Repeat (cm)	H:9.5 x V:10	H:35 x V:25	H:9 x V:9	
Railroaded	No	No	No	
Width (cm)	150	140	140	
Weight (gsm)	369	310	303	
Origin	Non EU	Non EU	Non EU	
Strain Repellent	Fluro Chem	Fluro Chem	Fluro Chem	
<b>Durability</b>				
Martindale (ISO 12947)	15,000 - 20,000	15,000 - 20,000	15,000 - 20,000	15,000 - 20,000
Usage	General Domestic	Drapery/ General Domestic	Drapery/ General Domestic	
<b>Colourfastness</b>				
To Light - Xenon Arc (ISO 105-B02)	>7	>6	>7	Minimum 5
To Rubbing (ISO 105-X12)	Dry 5, Wet 5	Dry 4/5, Wet 4/5	Dry 5, Wet 5	Minimum Dry 4, Wet 4
To Shampoo (AS2111.19.2)	5	5	5	Minimum 4
To Perspiration (ISO 105-E04)	5	5	5	Minimum 4
To Water (ISO 105-E01)	5	5	5	Minimum 4
To Dry Cleaning Solvent (ISO 105-D01:1993)	5	5	5	Minimum 4
To Washing (ISO 105-C06,B1S)	5	5	5	Minimum 4
To Seawater (ISO 105-E02:1994)	5	-	5	
To Chlorinated water (ISO 105-E03:1994, 5mg/L)	5	-	5	
<b>Resistance to Mildew</b>				
Resistance to Mildew (AATCC 30,Test III)	No fungal growth observed. Zone of inhibition: 44mm. Antifungal activity observed.			
<b>Pilling</b>				
Pilling (ISO 12945.2)	5	5	5	Minimum 3/4
<b>Seam Slippage (ISO 13936.2)</b>				
Warp	4.1	3	4.3	Under 6
Weft	4.5	2.8	4	Under 6
<b>Dimensional chg launder (AS5077/ISO6330.7BA)</b>				
Warp	-1.0	-0.3	-0.6	Maximum 5 (+-)
Weft	-0.3	-0.2	-0.3	Maximum 5 (+-)
<b>Dimensional chg hanging (AS26631 B-1997)</b>				
Warp	-	0.0	0.2	
Weft	-	0.0	0.2	
<b>Free Formaldehyde</b>				
Free Formaldehyde (ISO 14184-1:1998)	Not Detectable	Not Detectable	Not Detectable	Under 100ug/g
<b>Fire Hazard Properties (AS1530.3)</b>				
Ignitability Index	14	13	16	Range 0-20
Spread of Flame Index	0	0	0	Range 0-10
Heat Evolved Index	2	2	0	Range 0-10
Smoke Developed Index	3	2	3	Range 0-10

# Sundec Care Information\*

## REGULAR CARE

Where possible store away from direct sunlight when not in use to prolong fabric life. Vacuum regularly using low suction. Rotate reversible cushions regularly. Please note a dirty surface promotes mildew growth, so please keep your fabrics clean.

## CLEANING

If cleaning with a hot-water extraction machine (hot). Do not remove cushion covers for separate cleaning even though they have zippers. Professional cleaning recommended. Use only upholstery detergent. Do not wet filling. Allow to naturally dry before re-use.

OR

May be shampoo cleaned using upholstery shampoo only. Do not use dishwashing or laundry detergents. Do not wet filling. Do not scrub with stiff brush. Allow to naturally dry before re-use.

## SPOT CLEANING

Treat spills and stains as soon as possible. Gently scrape soil or mop liquid from the surface of the fabric. Do not scrub. Apply proprietary cleaning agents strictly according to instructions to remove the residue of the spill. Do not saturate the fabric or interior with water or other cleaning liquids. May be spot cleaned with dry cleaning solvent.

## WASHING INSTRUCTIONS

If your covers are too bulky for your machine we recommend professional washing by your local laundry. Use a gentle cycle and do not wash the fabric at a temperature exceeding 40 degrees. Use a washing agent that does not contain optical brighteners and which is suitable for colour retention such as Earth Choice (3 X Ultra concentrate liquid), or Eco Store Laundry Powder or Omo Colour.

Warning: Do not use washing agents containing any optical brighteners, as this may affect colour, particularly if cushions and main cover are not washed at the same time. Do not mix different colours or fabrics in the wash. Do not squeeze or wring by hand. Do not apply detergent directly to

covers when washing. Covers with zippers do not necessarily mean that the covers are removable; once removed the covers may be difficult to replace depending on the style of furniture.

NOTE: Some minor colour change may occur in the initial washing stages. We recommend laundering or dry cleaning in complete cover sets to ensure there is no colour variation between cushions and main covers.

## DRYING INSTRUCTIONS

To reduce risk of shrinkage, line drying only should be used. Do not line dry in direct sunlight as this may accelerate colour loss. Do not tumble dry. Ironing should not be necessary, but if required, iron on the reverse side using a low temperature.

## BLEACH CLEANING/ DISINFECTING

Mix 5% of household bleach (sodium hypochlorite) with 95% water (One 250mL cup of household bleach in 5L of water). Pre-test cleaning method on a hidden part of the furniture. The bleach solution can remain on the fabric surface for up to 10-minutes after which the bleach solution must be thoroughly rinsed from the fabric using a water extraction machine filled with cold water. Once thoroughly rinsed, extract any residual moisture and allow to dry at room temperature. Furniture must be dry before being reused.

WARNING: Sodium hypochlorite bleach is corrosive. Avoid contact with the skin. Use PVC gloves and follow the safety instructions of the bleach manufacturer. Please also be mindful not to apply the bleach solution to the frame of the furniture or any floor coverings without further testing.

\*The above cleaning instructions apply to all Sundec products, excluding Lustrell Admiral and Lustrell Commodore. For Lustrell Marine cleaning instructions, please see opposite page.

# Lustrell Marine Care Information

## REGULAR CARE

Where possible store away from direct sunlight when not in use to prolong vinyl life. Keep at a minimum of 30cm (12 inches) away from direct heat sources and routinely vacuum with a soft brush attachment to remove airborne particles and wipe with a damp sponge or cloth. We recommend the use of proprietary branded leather conditioner and protector to protect against build-up of grime and premature wear. Please note a dirty surface promotes mildew growth, so vinyls need to be maintained and cleaned regularly. Additionally when in contact with salt and chlorine environments the vinyl should be rinsed or wiped with clean water after each use to remove any residue.

## CLEANING

Blot liquid spills with a clean dry cloth. Wipe with a clean cloth dampened with warm water. Clean using a proprietary brand leather cleaner or Lustrell branded Regular Cleaner or Spot Cleaner. Do not use abrasive powder, detergent based or paste cleaners. Do not wet excessively, especially around seam edges. A soft bristle brush may be used to remove ingrained soil. Avoid scratching by gentle brushing. Wipe with a clean cloth dampened with water to remove residues. Dry in shade away from direct heat. Do not clean with hot water extraction machine. Do not clean with on-site dry-cleaning machine.

## SPOT CLEANING

Clean as above. For persistent marks seek professional advice.

## BLEACH CLEANING/ DISINFECTING

Mix 5% of household bleach (sodium hypochlorite) with 95% water (One 250mL cup of household bleach in 5L of water). Pre-test cleaning method on a hidden part of the furniture. The bleach solution can remain on the vinyl surface for up to 10-minutes after which the bleach solution must be thoroughly rinsed. To rinse, wipe the surface several times with a cloth wet with clean cold water and allow to dry at room temperature. Furniture must be dry before being reused.

WARNING: Sodium hypochlorite bleach is corrosive. Avoid contact with the skin. Use PVC gloves and follow the safety instructions of the bleach manufacturer. Please also be mindful not to apply the bleach solution to the frame of the furniture or any floor coverings without further testing. Please be aware of the environment when cleaning with bleach. Bleach can have harmful effects on the natural environment around you. We do not advise using bleach if you are surrounded by a body of water or other environment that could be affected.

WARNING: Please note silicone based cleaners should not be used



Sofa: Kuata Gull,  
Scatters on sofa: Kuata Reef, Kuata Orca, Kuata Palm, Kuata Marine, Kuata Lagoon, Kuata Sunshine,  
Ottoman: Kuata Lagoon

Since 1966 Warwick have supplied fine furnishing fabrics which have been quality tested to world standards for performance, durability and safety.

For a period of three years, for both domestic and commercial applications, we guarantee to replace any fabric which is found to be faulty as a result of manufacturing defect and which has been used in accordance with our performance ratings and care instructions.

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