

Descriptif Technique

1 – LES VOILES

Nous vous présentons les innovants tissu MONOTEC 370, ETRABLOCK 330, COMSHADE et DUALSHADE 350 des produits spécialement conçus pour résister aux UV, et ayant des propriétés uniques.

Ils ont été conçus spécialement pour être utilisé en tension, avec des performances équivalentes sur des structures d'ombre standard tel que les voiles, auvents ou parasols. Il possède des nuances d'ombres uniques avec une résistance optimale en tension.

Ils offrent une combinaison idéale entre haute résistance, déformation contrôlées, zone d'ombrage maximale et protection optimale contre les rayons UV.

Ils sont tissés à partir de fils bande et ronds en PEHD, ce qui leur permettent de ne pas s'étirer dans le temps afin de garantir sa stabilité.

Ils assurent une protection cohérente pour les personnes et les biens pendant les fortes chaleurs. Sa structure harmonieuse apporte un large choix de nuances d'ombres tant pour les particuliers que pour les professionnels.

Exemple: Ombrage des terrasses, piscines, parkings, jardins et aires de jeux...

2 – LES COULEURS

Couleurs disponibles

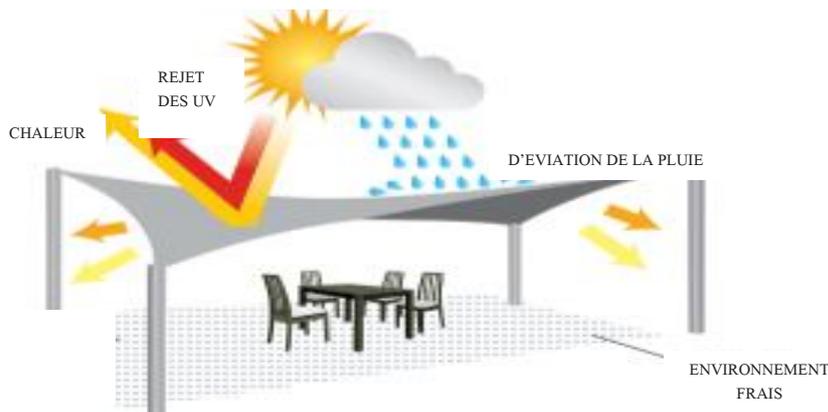


3 – LES CARACTÉRISTIQUE GÉNÉRALES

- Fil : bande et rond
- Poids : 330g/m²
- Largeurs de 3.25m et 6.5m
- Résistance à la traction
- Résistance à la déchirure
- Résistance au vent fort 150km/h
- Allongement : trame 57% - chaîne 6 67%
- Traités anti UV : 91% - 98%
- 14 Options de couleurs vibrantes
- 12ans de garanties.
- Pas de sangle cousue en pourtour
- Ne nécessite aucune retentions après installation.
- Sans entretien (en dehors du nettoyage et dans de bonnes conditions de stockage)
- Leader du marché pour la solidité, Industrie reconnue
- Ignifuge certifié
- 100% Made in Australie



ELLES VOUS APPORTENT LA MEILLEURE SOLUTION POUR VOUS PROTÉGEZ DU VENT DE LA PLUIE ET DU SOLEIL FILTRANT JUSQU'À 98% DES RAYONS UV.



PROTECTION CONTRE LES INTEMPERIES



RESISTANCE A LA TRACTION



PROTECTION UV EXCELLENTE



DURABILITE PROUVEE



LUMINOSITE NATURELLE



REDUCTION D'EBLOUISSEMENT



GARANTIE 5 ANS MINIMUM



MONOTEC

370 Series

Engineered to Outlast

SUPERIOR IN STRENGTH & PERFORMANCE

100% AUSTRALIAN MADE COMMERCIAL SHADECLOTH

SHADE STRUCTURES ~ SHADE SAILS ~ CAR PARKS ~ CHILDREN'S PLAYGROUND AREAS
SCHOOL OUTDOOR AREAS ~ SWIMMING POOL CANOPIES ~ WATERPARK STRUCTURES

PRO-KNIT
Industries Pty Ltd

15year
WARRANTY

MONOTEC

10 Year

MONOTEC 370 Series

SETTING THE INDUSTRY STANDARD

Developed as an "install and forget" shadecloth, Monotec 370 Series shadecloth is the perfect solution for shade sails and structures. Uniquely made using only 100% round monofilament HDPE yarns, Monotec 370 Series provides consistent protection to people and property in the harsh Australian climate.

Monotec 370 Series shadecloth is resistant to UV rays and is supported by the industry's only 15 year warranty. The sturdy fabric construction of round monofilament yarns will not stretch over time assuring colour vibrancy and the integrity of your structure's stability for many years to come.

EXCELLENCE IN DESIGN

Monotec 370 Series is:

- ~ The only shadecloth manufactured in Australia
- ~ The only shadecloth manufactured using 100% round monofilament HDPE yarn
- ~ The only shadecloth that will retain its permanent shape and design
- ~ **The strongest shadecloth available today**



COLOURS



DESIGNER COLLECTION



FR COLOURS



FEATURES

100% ROUND MONOFILAMENT HDPE YARN

With a higher strength to weight ratio, round monofilament yarn is stronger than tape yarn

NO TAPE YARN USED

Flat and oval tape yarns are weaker and continue to stretch, causing sails to sag after installation

NO RE-TENSIONING AFTER INSTALLATION

There is no need for installers to return after installation to re-tighten sails

MARKET LEADER FOR STRENGTH

Exceeds Australian Standards requirements for bursting and tensile strength

STRONG WIND RESISTANCE

Superior durability and performance especially in excessively high wind conditions

MAINTENANCE FREE

Due to their smooth surface, round monofilament yarns are more resistant to dirt and debris build-up

VANDAL RESISTANT

The strength of round monofilament yarn, combined with the close lock-stitch construction makes it difficult to penetrate the fabric with damaging objects

INDUSTRY RECOGNISED

Utilised in multiple award winning projects in Australia and around the world

3.25MT AND 6.5MT WIDTHS

Wide widths help reduce unsightly seams, weak points and fabrication costs

14 VIBRANT COLOUR OPTIONS

Additional custom colours available by request

FIRE RETARDANT CERTIFIED

Engineered to pass the industry's most stringent fire retardant tests both in Australia and around the world

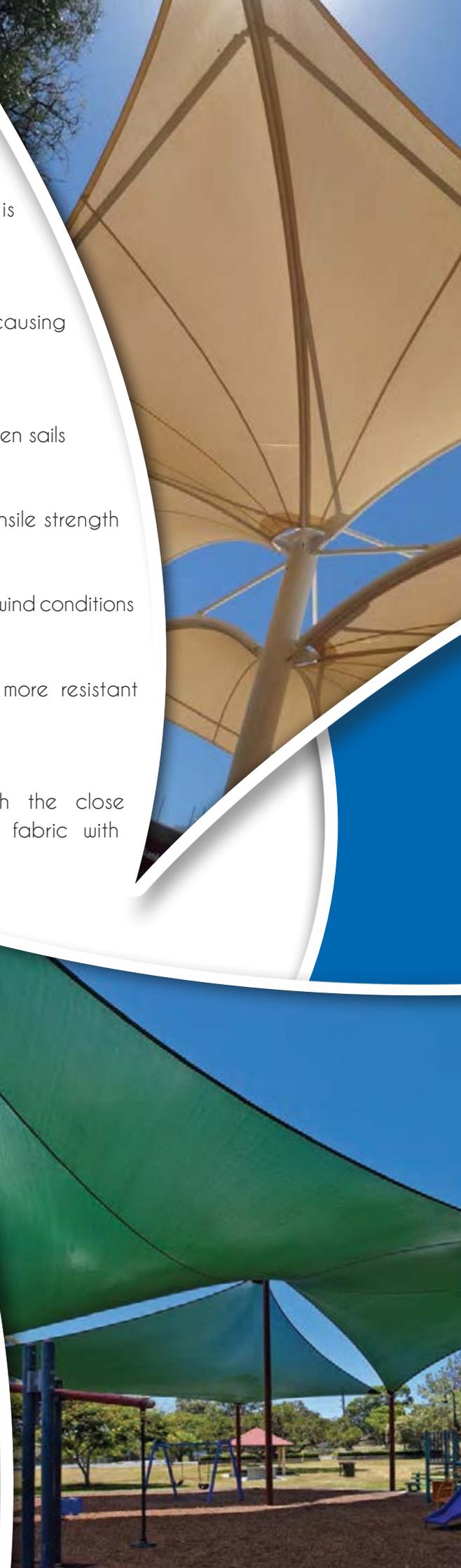
100% AUSTRALIAN MADE

The only Australian made shade cloth available today

15 YEAR WARRANTY*

The industry's only 15 year manufacturer's warranty

*NB: 10 year warranty on FR Series





Made In Australia

Developed in Australia by Pro-Knit Industries, Monotec 370 Series is 100% Australian owned and is the ONLY commercial shade cloth manufactured in Australia today.



LSAA
LIGHTWEIGHT STRUCTURES ASSOCIATION OF AUSTRALASIA, INC.



Proudly manufactured in Australia by:

PRO-KNIT
Industries Pty Ltd

Proudly distributed by:



PRORANGE WHOLESALE
7 Tombo Street, Capalaba, QLD 4157
Phone: 07 3245 6756 Fax: 07 3245 6955

EXTRABLOCK 330

SHADE FABRIC

EYE CATCHING
COLOURS AND FIRE
RATED OUTDOOR
SHADE



FABRIC SPECIFICATIONS

EXTRABLOCK 330

Shade Factor % (SF depends on colour - see below for details)	81 - 97
UVR Block %	96 - 98
UPF (UV Protection Factor)	21 - 41
Roll Width	3.0m
FRAS1530.2	Flammability 1, Spread Factor 0, Heat Factor 1
FR AS1530.3	Ignitability 13, Spread of Flame 7, Heat Evolved 2, Smoke 5
CSFM	Complies with California State Marshals requirements, Title 19, Section 1237



PEARL ONYX

FR



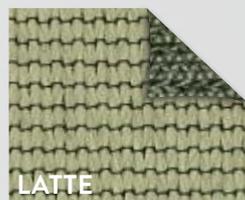
CREAM

SF=81%



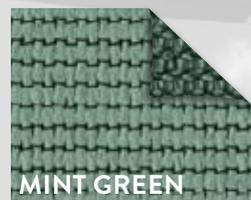
BEIGE

SF=87%



LATTE

SF=80%



MINT GREEN

FR

SF=93%

FR



PERSIAN GREEN

FR



FOREST GREEN

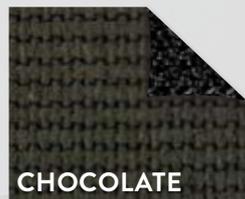
SF=93%

FR



OLIVE GREEN

FR



CHOCOLATE

FR



DOVE BLUE

FR



LIME GREEN

SF=86%

FR



TRUE BLUE

SF=95%

FR



NAVY

SF=95%

FR



SILVER

SF=98%

FR



CHARCOAL

SF=92%

FR



MIDNIGHT

SF=97%

FR



YELLOW

SF=75%



RED

SF=88%



SUNBLAZE

SF=95%

FR



OXIDE RED

SF=88%

FR



PURPLE

SF=88%

FR



Cream, Beige, Yellow and Red are not FR. Colours shown indicative only.

FEATURES



The EXTRABLOCK range of knitted shade fabric has been specifically designed for use in tension structures and shade sails, but performs equally well when used on carpark structures, awnings and umbrellas.

EXTRABLOCK is one of the worlds best FR rated shade cloths. It meets the California State Fire Marshall test for title 19. This is widely recognised as the most difficult FR test to meet and EXTRABLOCK gets a new certificate every year!

EXTRABLOCK is a very dimensionally stable shade cloth with very similar biaxial strengths and extensions in both directions.

EXTRABLOCK has a 12 year warranty against UV breakdown. Peace of mind for you and your clients.

- ✓ High Strength fabric
- ✓ Controlled Elongation
- ✓ Maximum protection with up to 98% shade
- ✓ Excellent Dimensional Stability
- ✓ 12 Year Warranty
- ✓ Fire retardancy rated
- ✓ Heat set (stentered)
- ✓ Will not rot or support the development of mould and mildew
- ✓ Breathable, allowing air circulation for cooling



ENGINEERING SPECIFICATIONS



Breaking Force Warp (AS2001.2.3.2-2001 Grab Method)	979N
---	-------------

Breaking Force Weft (AS2002.3.1-2001)	1228N
---	--------------

Elongation at Break Warp	67%
---------------------------------	------------

Elongation at Break Weft	57%
---------------------------------	------------

Bursting Strength (AS 2001.2.4-1990)	3000kPa
--	----------------

Tear Resistance Warp (AS2001.2.10-1986)	157N
---	-------------

Tear Resistance Weft (AS2001.2.10-1986)	170N
---	-------------

Comshade®

EXTRA HEAVY DUTY
KNITTED SHADECLOTH



COMSHADE® is a unique and innovative extra heavy duty knitted shadecloth. It is designed for tension membrane shadesails used in architectural and commercial shade structures. It is UV stabilised to maintain its strength and flexibility under the harsh Australian sun.

**Aiming high
to reduce
the risks**

Australia and New Zealand are recognised as having the world's highest incidences of melanoma and skin cancer. This is why Polyfab is so determined to make and supply the world's best shadecloth for the protection of people from the sun's harmful UV rays.



**polyfab**TM
Australia

Comshade® EXTRA HEAVY DUTY KNITTED SHADECLOTH



Comshade® is ideal for large commercial projects where the fabric is supported by engineering certification, that allows the knitted shade cloth to be placed under higher tensile loadings.

Comshade® offers excellent weight to strength ratios.

Comshade® is heat set, making it much easier to use. It lays very flat so it will not curl or roll up when being marked out, cut and sewn. This means major savings in time and fabrication costs.

Comshade® has less shrinkage and is more stable, while maintaining its strength and over 90% UV protection and shade factors.

Comshade® comes in an excellent range of 16 designer colours.

Comshade® is made to the highest quality standards, and is supported by a 10 Year UV warranty.

Comshade® is made from virgin resins and only the best UV stabilizers from Ciba Speciality Products.

For information and conditions of the warranty, contact your local stockist or visit our web site at www.polyfab.com.au for warranty and maintenance instructions.

Comshade® is made to Australian Standards: AS 4174-1994

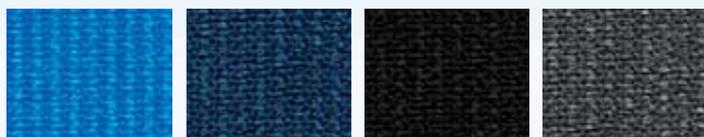
Comshade® is available in 16 designer colours.



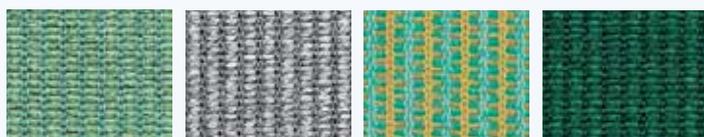
Porcelain Cappuccino Café Noir Sandstone



Rust Copper Merlot Yellow



Aquamarine Navy Blue Black Slate



Blue Gum Platinum Light Green Midnight Green

Colour Disclaimer: For technical reasons connected with colour reproduction, the colours shown may not be an exact representation of the actual product.



Technical Specifications

		WARP	WEFT
Breaking Force	N/50mm	799	2147
Breaking Extension	%	83.5	63.0
Tear Resistance (Wing Tear)	N	172	282
Bursting Force (Steel Ball)	Mean N	1861	
Bursting Pressure	Mean kPa	3000	

Colours	UVR%	Mean UPF	Shade Factor (Visual Light) %
● Porcelain	96.1	41	77
● Cappuccino	95.2	34	90
○ Café Noir	96.1	44	94
○ Sandstone	95.2	28	87
○ Rust	95.7	27	90
○ Copper	96.4	44	92
○ Merlot	96.7	41	96
○ Yellow	97.4	55	79
● Aquamarine	95.8	35	93
○ Navy Blue	98.2	99	98
● Black	95.5	40	96
● Slate	96.8	42	96
● Blue Gum	96.1	44	94
○ Platinum	93.8	17	94
○ Light Green	94.9	19	89
● Midnight Green	95.4	35	95

Manufacturer reserves the right to modify specifications or colors without notice. All specification tolerances +/- 5%

Available in:

3.80 x 30m Centre folded rolls	3.80 x 50m Straight rolls	● 6 x 30m Straight rolls
-----------------------------------	------------------------------	-----------------------------

Average weight: 330gsm

Distributed by:

Nolan.UDA

www.NolanUDA.com.au

PERTH
18 Hazelhurst Street,
Kewdale, WA 6105
Tel: (08) 9353 2534
Fax: (08) 9353 1215

ADELAIDE
489 Cross Keys Road,
Cavan, SA 5094
Tel: (08) 8260 1055
Fax: (08) 8260 1655

DARWIN
Unit 1, 6 Finnis Street,
Darwin, NT 0800
Tel: (08) 8981 1555
Fax: (08) 8981 1533

NEWCASTLE
66 Orlando Road,
Lambton, NSW 2299
Tel: (02) 4957 7766
Fax: (02) 4952 6737

SYDNEY
3 Bradford Street,
Alexandria, NSW 2015
Tel: (02) 9669 3333
Fax: (02) 9669 3266

MELBOURNE
55 Cleeland Road,
Oakleigh South, VIC 3167
Tel: (03) 9545 5588
Fax: (03) 9545 5582

BRISBANE
14 Lions Park Drive,
Yatala, QLD 4207
Tel: (07) 3387 8500
Fax: (07) 3807 8300



Polyfab Australia Pty Ltd
ABN 54 069 432 846
63 Frankston Gardens Drive
Carrum Downs VIC 3201 Australia
Telephone 03-9770 8480
Facsimile 03-9770 8483
www.polyfab.com.au



Commercial
DualShade
350

—
**Where
performance
and function
meet design.**



**Architectural
SHADE FABRIC**

Sports Complex
Office Building
Schools, Parks
Playgrounds

DualShade 350 is made using a patent pending knit pattern and features a single colour on one side and complementary colour on the opposite side.

The beautiful palette of colour combinations will enhance the design of any outdoor space. We've designed an array of colour combinations that come together in three beautiful collections:

**BRILLIANT
COLLECTION**

The fabric colours within this collection are rich and luminous combinations that demand to be noticed.

These fabrics glimmer in the sun's rays like a precious gemstone. Illuminate any outdoor space with a fabric from this collection.

Citrus



**TERRAFIRMA
COLLECTION**

The beauty and calmness of nature combine to form fabric colours that take you from lush rainforests to vast desert landscapes.

Experience the beauty of the land at its finest when choosing a fabric from this collection for your design.

Savanna



**DESTINATION
COLLECTION**

Elegant and clean hues combine to form fabrics that are reminiscent of some of the world's most desired destinations.

Inspired by the most alluring locations around the world, the fabric colours in this collection will transform any outdoor space into a beautiful oasis.

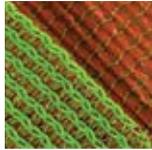
Maldives



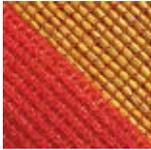
Dimensionally stable fabric reduces re-tensioning frequency and associated maintenance costs, resulting in longer fabric life and improved performance

Maximum durability achieved through use of high quality, UV-stabilised monofilament and tape yarns joined by a lock-stitch knit pattern

Colour	Cover Factor	Shade Factor	UVR Block%	UVE %	Protection Category
Citrus	91	87.0	91.9	91	Very Effective
Chameleon	90	86.4	90.3	91	Very Effective
Macaw	92	83.3	90.7	90	Effective
Sunburst	91	75.2	90.6	91	Very Effective
Topaz	92	85.8	90.6	90	Effective



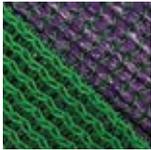
Citrus



Sunburst



Macaw

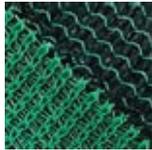


Chameleon



Topaz

Colour	Cover Factor	Shade Factor	UVR Block %	UVE %	Protection Category
Amazonia	92	91.1	92.4	91	Very Effective
Cobblestone	93	90.3	93.6	93	Very Effective
Gold Rush	91	88.3	91.5	90	Effective
Savanna	92	80.1	92.3	91	Very Effective



Amazonia



Savanna

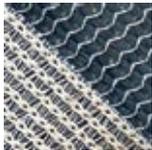


Cobblestone



Gold Rush

Colour	Cover Factor	Shade Factor	UVR Block %	UVE %	Protection Category
Capri	92	83.9	92.1	91	Very Effective
Maldives	91	88.4	90.9	90	Effective
Santorini	93	83.3	92.2	92	Very Effective



Capri



Santorini



Maldives

Patent pending dual colour knit pattern creates a high performing fabric with a unique aesthetic

Superior long-term performance achieved through an even distribution of force across the tensioned fabric

Ideal for human sun protection offering up to 93.6% UV Block

The unique aesthetic of this fabric is only surpassed by its performance.

Maximum durability and superior dimensional stability are achieved through our proprietary knit pattern, and **DualShade 350** is backed by a full 10 year warranty against UV degradation.

Performance

Maximum force	warp	960 N/50mm
Elongation at max. force	warp	117%
Maximum force	weft	1100 N/50mm
Elongation at max. force	weft	70.5%
Breaking force	warp	1500N
Breaking force	weft	1300N
Wing tear	warp	327 N
Wing tear	weft	245 N
Bursting Pressure		3500 kPa
Bursting force		1959 N

Fabric Properties

Nominal Fabric Mass 350 gsm ± 20

Roll Specification

Nominal width 3.0m (folded)
Length 40m

Flammability

Flammability Index 38
Ignitability Index 14
Spread of Flame Index 8
Heat Evolved Index 3
Smoke Developed Index 4



*The results listed in this brochure are typical averages from independent testing and quality assurance testing and are not to be taken as a minimum specification nor as forming any contract between GALE Pacific and another party. Due to continuous product improvement, refer to the GALE Pacific Commercial Fabrics website for latest technical performance information.

* Please note, due to limitations of the printing process, colours pictured may not represent the true colour



Gale Pacific Limited
145 Woodlands Drive,
Braeside Victoria 3195
Toll Free: 1 800 331 521

Gale Pacific USA
285 West Central Parkway,
Ste. 1704 Altamonte
Springs, FL 32714
Toll Free: 1 800 560 4667

Gale Pacific MENA
JAFZA 15, 6th Floor, Room 604,
Jebel Ali Free Zone
Dubai, United Arab Emirates
+971 4 881 7114

Gale Pacific EURASIA
+44 7388 779124

4 – LES PLATINES

Platine murale inox 316L finition polie ou brossée.

La pose des platines 20x20 cm se fait par scellement chimique



5 – LES POTEAUX

POTEAUX PLATINE MURALE Acier galvanisé ou thermolaqué
Scellement au chimique

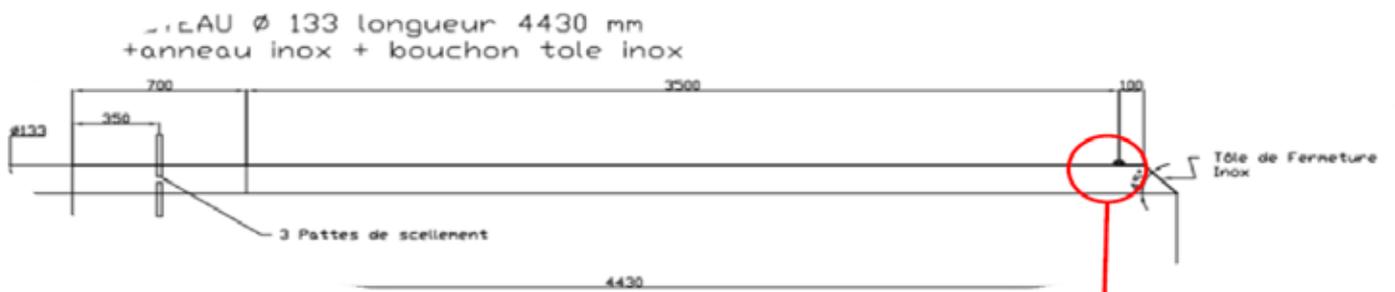


POTEAUX PLATINE Acier galvanisé ou thermolaqué
Embase 40 x 40 cm 4 ép.
Scellement au chimique

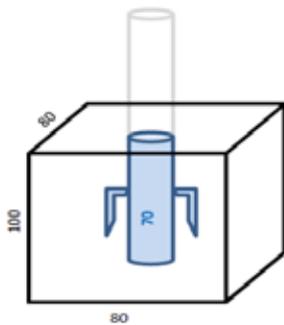


POTEAUX Acier galvanisé ou thermolaqué Scellement plot béton 0.80x0.80x1.00m

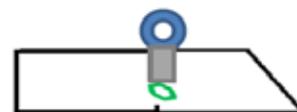
POTEAU 3.50 m (hauteur hors sol)



PLOT BETON / SCELLEMENT



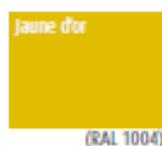
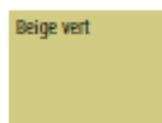
SYSTEME D'ANNEAU



-  Anneau inox
-  Tige fileté inox
-  Boulon inox



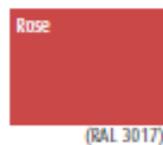
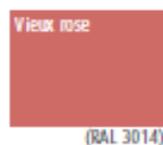
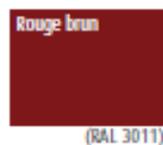
LES JAUNES



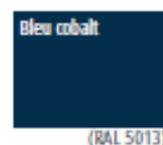
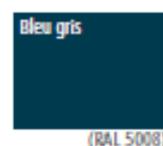
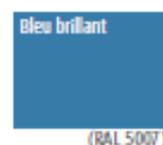
LES ORANGES



LES ROUGES LES VIOLETS



LES BLEUS





(RAL 5014)



(RAL 6003)



(RAL 6017)



(RAL 6034)



(RAL 7013)



(RAL 7036)



(RAL 8007)

BLANCS NOIRS



(RAL 5015)



(RAL 6004)



(RAL 6018)

LES GRIS



(RAL 7015)



(RAL 7037)



(RAL 8008)



(RAL 9001)



(RAL 5017)



(RAL 6005)



(RAL 6019)



(RAL 7000)



(RAL 7016)



(RAL 7038)



(RAL 8011)



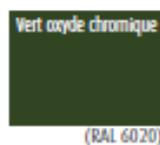
(RAL 9002)



(RAL 5018)



(RAL 6006)



(RAL 6020)



(RAL 7001)



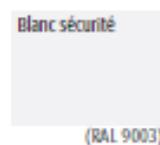
(RAL 7021)



(RAL 7039)



(RAL 8012)



(RAL 9003)



(RAL 5019)



(RAL 6007)



(RAL 6021)



(RAL 7002)



(RAL 7022)



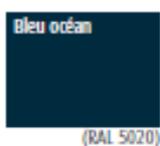
(RAL 7040)



(RAL 8014)



(RAL 9004)



(RAL 5020)



(RAL 6008)



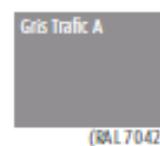
(RAL 6022)



(RAL 7003)



(RAL 7023)



(RAL 7042)



(RAL 8015)



(RAL 9005)



(RAL 5021)



(RAL 6009)



(RAL 6024)



(RAL 7004)



(RAL 7024)



(RAL 7043)



(RAL 8016)



(RAL 9010)



(RAL 5022)



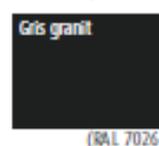
(RAL 6010)



(RAL 6025)



(RAL 7005)



(RAL 7026)



(RAL 7044)



(RAL 8017)



(RAL 9011)



(RAL 5023)



(RAL 6011)



(RAL 6026)



(RAL 7006)



(RAL 7030)



(RAL 7044)



(RAL 8019)



(RAL 9016)

LES BRUNS



(RAL 5024)



(RAL 6012)



(RAL 6027)



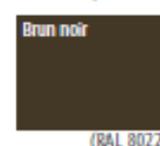
(RAL 7008)



(RAL 7031)



(RAL 8000)



(RAL 8022)



(RAL 9017)

LES VERTS



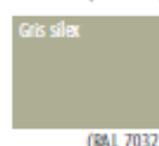
(RAL 6013)



(RAL 6028)



(RAL 7009)



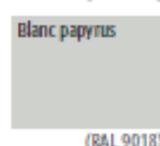
(RAL 7032)



(RAL 8001)



(RAL 8023)



(RAL 9018)



(RAL 6000)



(RAL 6014)



(RAL 6029)



(RAL 7010)



(RAL 7033)



(RAL 8002)



(RAL 8024)



(RAL 6001)



(RAL 6015)



(RAL 6032)



(RAL 7011)



(RAL 7034)



(RAL 8003)



(RAL 8025)



(RAL 6002)



(RAL 6016)



(RAL 6033)



(RAL 7012)



(RAL 7035)



(RAL 8004)



(RAL 8028)

6 – LES PROTECTIONS MOUSSES

Protections mousses faites sur mesure, large choix de couleur et votre taille (max1,50m).

Très faciles et rapides à installer grâce à un système de fermeture en Velcro

Caractéristiques :

- Disponible dans la majorité des couleurs (blanc, bleu, rouge, jaune, vert...)
- Intérieur mousse de haute qualité
- Épaisseur pouvant aller jusqu'à 100mm
- Densité de 25kg/m³
- Tissu en PVC 600gr/m², 100 % imperméable et à l'épreuve des déchirures
- Facile à nettoyer et ignifugé



7 – SÉCURITÉ SUPPLÉMENTAIRE

Nos accroches de voile peuvent être équipées d'un système de fusible.

- Ø 22 mm à goupille fusible
- Prévu pour se détacher lorsque la force de tirage maximum prévue est dépassé.
- Les goupilles sont interchangeables et permettent d'adapter l'émerillon à la force de tirage

Emerillon Ø 22 mm à fusible



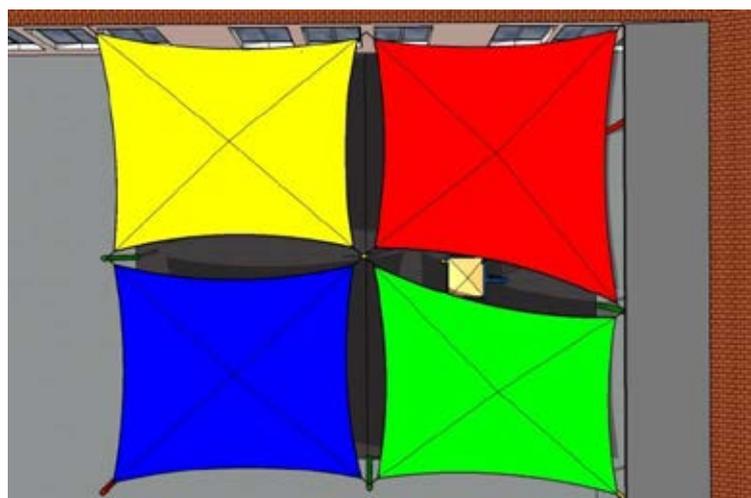
8 – PROJET 3D

L'objectif est d'implanter au mieux la zone d'impact de la ou des voiles et d'avoir un aperçu du résultat.

Attention les dessins ci-contre ne sont pas contractuels, ils représentent le design général du projet, les formes peuvent légèrement différer, notamment les courbes afin de garantir une tension optimale.







9 – AUTRES REALISATIONS

