



# MARINE ROPES

[sales@worldcleanint.com](mailto:sales@worldcleanint.com)



## MARINE ROPES

With a broad vision to improve, lead and innovate our maritime industry, World Clean International is continuously designing and performing new line of products to provide a ONE STOP supply service to all the owners and ship management companies worldwide.

WCI Mooring Ropes, was performed under our well-established factory in Asia manufacturing 8 and 12 strands mooring ropes with mixed materials for ship's security. With a range diameter from 40 mm to 80 mm with ABS approvals and MEG4, complying with the LDBF and TDBF of each vessel, which you can find a copy of our certificates enclosed.

After performing the ropes, a detailed inspection for every product is mandatory to assure the best quality and durability on board.





## MARINE ROPES

Base design sample and product documentation reviewed accordance to Manufacturer documents and OCIMF Guidelines.

- Manufacturer's discard and inspection criteria.
- Base design sample manufacturing report.
- Base design sample manufacturing ITP (Inspection Test Plan/QC Plan).
- Base design sample test report.
- Material test report.
- Splicing instructions.
- Procedures for testing and inspection.
- Design specification.





## MARINE ROPES

# 40MM MIXED MOORING ROPES

Product	12-Strand PP&PET Mixed Rope
Diameter	40 mm
Length	220m
Material	Polypropylene & Polyester Mixed
Construction	12 strands
Colour	White
Linear Density	2256Ktex
Specific Gravity	0.98, Floating
Minimum Breaking Load (MBL)	773KN
Qty	45 coils
Termination of rope ends	Both ends spliced eye
Product Identification	WCI-PTM2105-01-45
Remarks	Ropes are produced according to OCIMF Guidelines

## CERTIFICATIONS:



**WCI**  
MARINE ROPES

DESCRIPTION: 12-STRANDS PP&PET MIXED ROPE  
SPECIFICATION: 40 MM x L: 220 MTR  
BALE NO:  
SERIAL NUMBER: WCI-PTM 2104-01-25

WCI MARITIME SERVICES PTY LTD ROPE IN PANAMA  
Third Floor, Sky Building, Sky Avenue 90th St, Building WCI,  
Panama City, Panama

CERTIFICATE OF ABS: 23-38111-S65

# 48MM

## MIXED MOORING ROPES



### MARINE ROPES

Product	12-Strand PP&PET Mixed Rope
Diameter	48 mm
Length	220m
Material	Polypropylene & Polyester Mixed
Construction	12 strands
Colour	White
Linear Density	2256Ktex
Specific Gravity	0.98, Floating
Minimum Breaking Load (MBL)	773KN
Qty	45 coils
Termination of rope ends	Both ends spliced eye
Product Identification	WCI-PTM2105-01-45
Remarks	Ropes are produced according to OCIMF Guidelines

### CERTIFICATIONS:



**MARINE ROPES**

DESCRIPTION: 12STRANDS PP&PET MIXED ROPE  
SPECIFICATION: 48 MM, L: 220 MTR  
BILL NO:  
SERIAL NUMBER: WCI-PTM 2104-01-25  
WCI MARITIME SERVICES / WCI ROPES IN PANAMA  
Diplomats Way, Suburban San Antonio 8053 St. Building WCI  
Panama City, Panama  
CERTIFICATE OF ABS: 21-38111-SG5



## MARINE ROPES

# 52MM

## MIXED MOORING ROPES


Product	12-Strand PP&PET Mixed Rope
Diameter	52 mm
Length	220m
Material	Polypropylene & Polyester Mixed
Construction	12 strands
Colour	White
Linear Density	2256Ktex
Specific Gravity	0.98, Floating
Minimum Breaking Load (MBL)	773KN
Qty	45 coils
Termination of rope ends	Both ends spliced eye
Product Identification	WCI-PTM2105-01-45
Remarks	Ropes are produced according to OCIMF Guidelines

## CERTIFICATIONS:



## MEG4



  
MARINE ROPES

DESCRIPTION: 12-STRANDS PP&PET MIXED ROPE

SPECIFICATION: 52 MM , L 220 M

BALE NO:

SERIAL NUMBER: WCI-PTM 2104-01-25

WCI MARITIME SERVICES / WCI ROPE IN PANAMA  
Transitmar, W/O, Estación San Antonio 805, 6a. Edif. WCI,  
Panama City, Panama

CERTIFICATE OF ABS: 21-38111-505



# 56MM

## MIXED MOORING ROPES



### MARINE ROPES

Product	12-Strand PP&PET Mixed Rope
Diameter	56 mm
Length	220m
Material	Polypropylene & Polyester Mixed
Construction	12 strands
Colour	White
Linear Density	2256Ktex
Specific Gravity	0.98, Floating
Minimum Breaking Load (MBL)	773KN
Qty	45 coils
Termination of rope ends	Both ends spliced eye
Product Identification	WCI-PTM2105-01-45
Remarks	Ropes are produced according to OCIMF Guidelines

### CERTIFICATIONS:



### MEG4



**WCI**  
MARINE ROPES

DESCRIPTION: 12-STRANDS PP & PET MIXED ROPE  
SPECIFICATION: 56 MM x L: 220 MTR  
BALE NO:  
SERIAL NUMBER: WCI-PTM 2104-01-25

WCI MARITIME SERVICES (PVT) ROPE IN PANAMA  
Panama City, Panama / San Antonio 8066 St, Building WCI,  
Panama City, Panama

CERTIFICATE OF ABS: 21-38111-S65



**MARINE ROPES**

# 60MM MIXED MOORING ROPES

Product	12-Strand PP&PET Mixed Rope
Diameter	60 mm
Length	220m
Material	Polypropylene & Polyester Mixed
Construction	12 strands
Colour	White
Linear Density	2256Ktex
Specific Gravity	0.98, Floating
Minimum Breaking Load (MBL)	773KN
Qty	45 coils
Termination of rope ends	Both ends spliced eye
Product Identification	WCI-PTM2105-01-45
Remarks	Ropes are produced according to OCIMF Guidelines

## CERTIFICATIONS:



**MEG4**





# 64MM

## MIXED MOORING ROPES



## MARINE ROPES

Product	12-Strand PP&PET Mixed Rope
Diameter	64 mm
Length	220m
Material	Polypropylene & Polyester Mixed
Construction	12 strands
Colour	White
Linear Density	2256Ktex
Specific Gravity	0.98, Floating
Minimum Breaking Load (MBL)	773KN
Qty	45 coils
Termination of rope ends	Both ends spliced eye
Product Identification	WCI-PTM2105-01-45
Remarks	Ropes are produced according to OCIMF Guidelines

## CERTIFICATIONS:



## MEG4



**MARINE ROPES**

DESCRIPTION: 12-STRANDS PP&PET MIXED ROPE

SPECIFICATION: 64 MM L: 220 YTM

SALE NO:

SERIAL NUMBER: WCI-PTM 2104-01-25

WCI MARITIME SERVICES / WCI ROPE IN PANAMA  
Transitonic Way, Barro Colorado San Antonio 0903 St. Balboa WCI  
Panama City, Panama

CERTIFICATE OF ABS: 21-38111-565



## MARINE ROPES

# 72MM MIXED MOORING ROPES

Product	12-Strand PP&PET Mixed Rope
Diameter	72 mm
Length	220m
Material	Polypropylene & Polyester Mixed
Construction	12 strands
Colour	White
Linear Density	2256Ktex
Specific Gravity	0.98, Floating
Minimum Breaking Load (MBL)	773KN
Qty	45 coils
Termination of rope ends	Both ends spliced eye
Product Identification	WCI-PTM2105-01-45
Remarks	Ropes are produced according to OCIMF Guidelines

## CERTIFICATIONS:



## MEG4



# 76MM

## MIXED MOORING ROPES



### MARINE ROPES

Product	12-Strand PP&PET Mixed Rope
Diameter	76 mm
Length	220m
Material	Polypropylene & Polyester Mixed
Construction	12 strands
Colour	White
Linear Density	2256Ktex
Specific Gravity	0.98, Floating
Minimum Breaking Load (MBL)	773KN
Qty	45 coils
Termination of rope ends	Both ends spliced eye
Product Identification	WCI-PTM2105-01-45
Remarks	Ropes are produced according to OCIMF Guidelines

### CERTIFICATIONS:



### MEG4





## MARINE ROPES

# 80MM MIXED MOORING ROPES

Product	12-Strand PP&PET Mixed Rope
Diameter	80 mm
Length	220m
Material	Polypropylene & Polyester Mixed
Construction	12 strands
Colour	White
Linear Density	2256Ktex
Specific Gravity	0.98, Floating
Minimum Breaking Load (MBL)	773KN
Qty	45 coils
Termination of rope ends	Both ends spliced eye
Product Identification	WCI-PTM2105-01-45
Remarks	Ropes are produced according to OCIMF Guidelines

## CERTIFICATIONS:



**ABS**



**MEG4**





Project: **WCI MARITIME SERVICES**

Client: **FACTORY**  
**GIMHAE, GYEONGNAM, KOREA**

Office: **Busan Port**

Client's Order Number: **REF158**

Date: **29 December 2021**

Order Status: **COMPLETE**

Inspection Dates

First: **23 December 2021**

Final: **27 December 2021**

This certificate is issued to **Messrs. PACIFIC ROPE ENT, Gimhae, Korea, to certify that the undersigned surveyors did at their request, attended their works and YoungChang Rope Co.,Ltd. on the above dates, for the purpose of witnessing the breaking load test on the undermentioned fibre ropes stated to be intended for the above project.**

Product Name	: WCI MARINE ROPES
Material Type and Grade	: POLYPROPYLENE AND POLYESTER COMPOSITE
Product standards	: PURCHASER SPECIFICATION
Rope Construction (Strand)	: 12
Diameter (mm)	: 64
Number of Coils	: 40
Length (M)	: 220
Termination Type	: with Both end 2mtr canvas protected eye
Net Weight per coil (kg)	: 446.6
Lay/ Color	: Regular / White with 2 blue tracers
Etc	: Uv resistant, resistant to chemicals, in accordance with OCIMF MEG

	<u>Specification</u>	<u>Actual</u>
Test condition	: N/A	Spliced & Measured
Test Length (mm)	: Min. 900	2400
Diameter (mm) at 1% initial load	: Min. 80	80
Test Speed (mm/min)	: Max. 100	90
Breaking Strength (kn)	: Min. 784.5	842.8

The breaking load testing was witnessed by the undersigned surveyor based on LR rule & ISO 2307:2019(E) and the test results was satisfied with the product standards. For identification, each coil was marked as follows;

**Identification:**

**LR. CERT. NO. BUS 2109893/6**



D. H. Kim for self and B. K. Kim  
Surveyor to Lloyd's Register Asia

a member of the Lloyd's Register group.

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[sales@worldcleanint.com](mailto:sales@worldcleanint.com)  
[www.wcimaritimeservices.com](http://www.wcimaritimeservices.com)