

REPORT ON TEST RESULT NO. : 0051/IT2.4.I.1/PM.05.02/2021

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DATE : February 03, 2021
ORDER FROM : PT. FIBERBOAT INDONESIA (SEANOCS)
Pergudangan dan Industri SAFE N LOCK Block V1/3263
Lingkar Timur, Sidoarjo
TEST STANDARD : BKI
MATERIAL SPEC. : Ponton Apung HDPE Alumina
THICKNESS :
PROJECT : Dermaga Apung

1. TENSILE TEST

TEST PIECE CODE	VISUAL	SAMPLE SPECIFICATION					TENSILE TEST RESULTS		
		WIDTH (mm)	THICK. (mm)	C.S.A (mm ²)	Fy (Kn)	Fu (Kn)	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	BREAKING
T1	Good	25.11	5.08	127.56	1.70	2.00	13.33	15.68	

Equipment: Universal Testing Machine "MFL Systeme, UPD-20", 200 kN capacity.

2. BEND TEST

ANGLE OF BEND : 180°

DIA. OF FORMER : 10 mm

NO.	TEST PIECE CODE	WIDTH (mm)	THICK. (mm)	TEST RESULTS
				OPEN DEFECT (mm)
1	Face	32.58	5.00	None

Equipment: Universal Testing Machine "MFL Systeme, UPD-20", 200 kN capacity.

NOTES : This report is valid only for the specimen tested on the Laboratory of Ships Strength and Construction

Witnessed by :

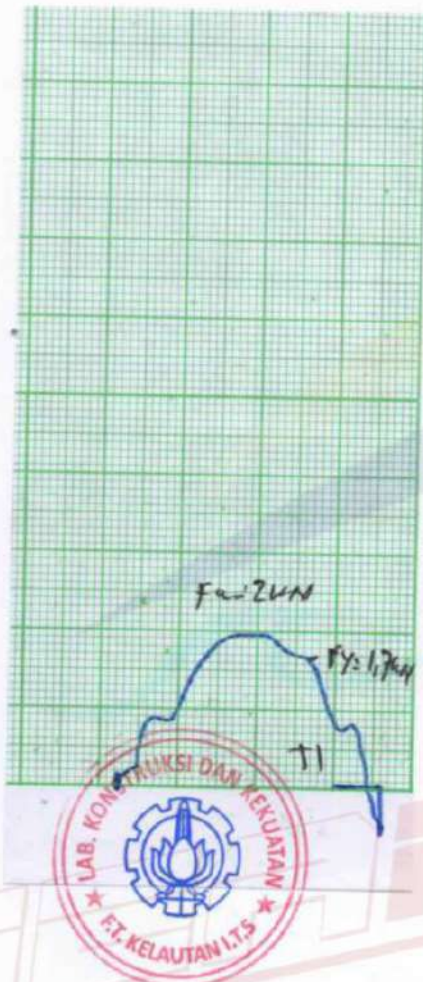
Head of the Laboratory
Ships Strength and Construction


M. Nurul Misbah, ST., MT.
NIP. 19730404 199702 1001

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The Graphic of Tensile Test



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Pergudangan dan Industri SAFE N LOCK Block V1/3263
Lingkar Timur, Sidoarjo
TEST STANDARD : BKI
MATERIAL SPEC. : Kubus Apung HDPE Modular
THICKNESS :
PROJECT : Dermaga Apung

1. TENSILE TEST

TEST PIECE CODE	VISUAL	SAMPLE SPECIFICATION					TENSILE TEST RESULTS		
		WIDTH (mm)	THICK. (mm)	C.S.A + (mm ²)	Fy (Kn)	Fu (Kn)	YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	BREAKING
T2	Good	24.94	4.56	113.73	2.00	2.50	17.59	21.98	

Equipment: Universal Testing Machine "MFL Systeme, UPD-20", 200 kN capacity.

2. BEND TEST

ANGLE OF BEND : 180°

DIA. OF FORMER : 10 mm

NO.	TEST PIECE CODE	WIDTH (mm)	THICK. (mm)	TEST RESULTS
				OPEN DEFECT (mm)
1	Face	32.30	5.00	None

Equipment: Universal Testing Machine "MFL Systeme, UPD-20", 200 kN capacity.

NOTES : This report is valid only for the specimen tested on the Laboratory of Ships Strength and Construction

Witnessed by :

Head of the Laboratory
Ships Strength and Construction

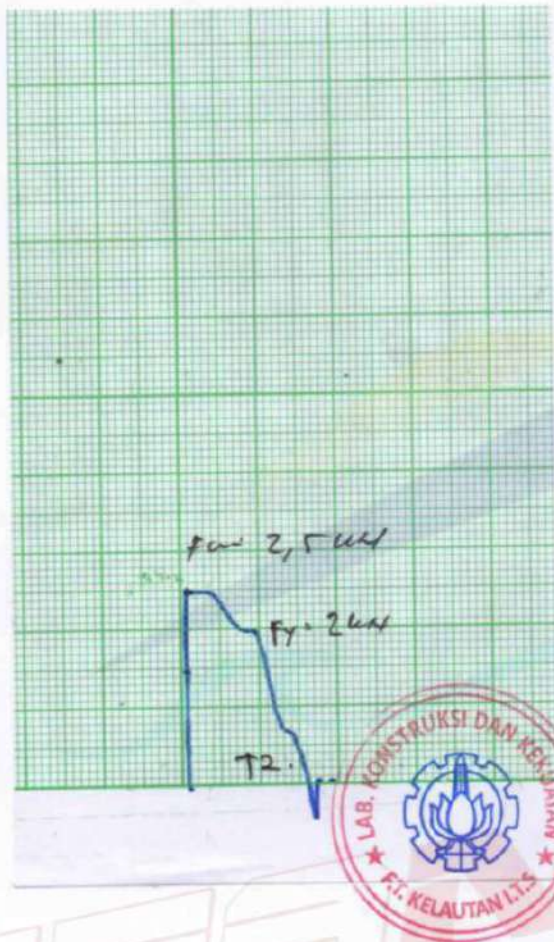
M.Nurul Misbah, ST., MT.
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TM

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DATE : February 03, 2021
ORDER FROM : PT. FIBERBOAT INDONESIA (SEANOCS)
Pergudangan dan Industri SAFE N LOCK Block V1/3263
Lingkar Timur, Sidoarjo
TEST STANDARD : BKI
MATERIAL SPEC. : WPC Flooring Dermaga Apung
THICKNESS :
PROJECT : Dermaga Apung

1. TENSILE TEST

TEST PIECE CODE	SAMPLE SPECIFICATION							TENSILE TEST RESULTS			
	WIDTH (mm)	THICK. (mm)	C.S.A (mm ²)	FORCE		GAUGE LENGTH		YIELD STRENGTH (MPa)	TENSILE STRENGTH (MPa)	ELONGA TION (%)	REDUCT. OF AREA (%)
				Yield (kN) *	Max (kN)	Lo (mm)	L1 (mm)				
T4.2	12.09	21.70	262.35	-	4.80	91.51	102.98	-	18.29	12.53	6.07

Equipment: Universal Testing Machine "MFL Systeme, UPD-20", 200 kN capacity.

2. BEND TEST

ANGLE OF BEND : 180°

DIA. OF FORMER : 50 mm

NO.	TEST PIECE CODE	LENGTH (mm)	WIDTH (mm)	THICK. (mm)	TEST RESULTS
					DEFLEXY (mm)
T4.2	Face	610	24.73	22.00	2.40

Equipment: Universal Testing Machine "MFL Systeme, UPD-20", 200 kN capacity.

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Witnessed by :

Head of the Laboratory
Ships Strength and Construction

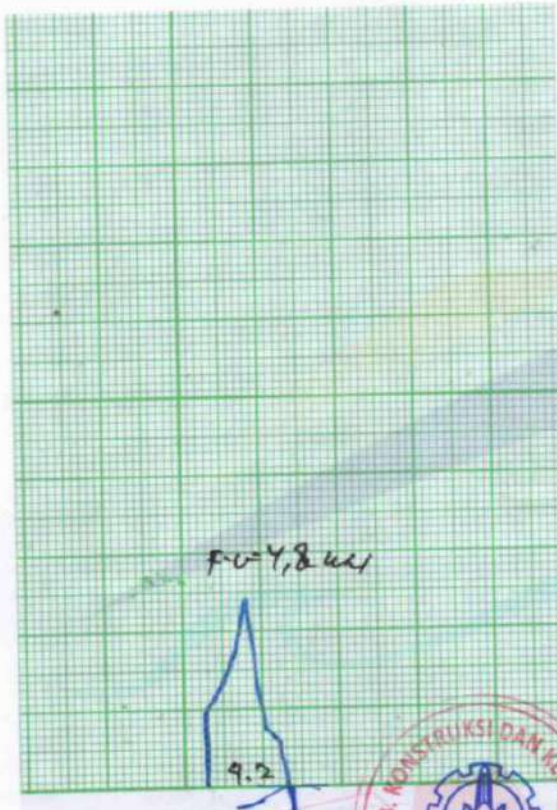
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Pergudangan dan Industri SAFE N LOCK Block V1/3263
Lingkar Timur, Sidoarjo
TEST STANDARD : BKI
MATERIAL SPEC. : Cleat SS 304
THICKNESS :
PROJECT : Dermaga Apung

1. TENSILE TEST

TEST PIECE CODE	SAMPLE SPECIFICATION							TENSILE TEST RESULTS			
	WIDTH	DIA.	C.S.A	FORCE		GAUGE LENGTH		YIELD STRENGTH	TENSILE STRENGTH	ELONGA TION	REDUCT. OF AREA
	(mm)	(mm)	(mm ²)	Yield (kN)	Max (kN)	Lo (mm)	L1 (mm)	(MPa)	(MPa)	(%)	(%)
T5	-	13.77	148.85	71.00	100.00	70.00	75.88	476.99	671.82	8.40	8.81

Equipment: Universal Testing Machine "MFL Systeme, UPD-20", 200 kN capacity.

NOTES : This report is valid only for the specimen tested on the Laboratory of Ships Strength and Construction

Witnessed by :

Head of the Laboratory
Ships Strength and Construction

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