



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Rubb, Inc.
1 Rubb Lane
Sanford, Maine 04073

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Ferrari Preconstraint 1202 Tensioned Arch. Textile Fabric Membrane

APPROVAL DOCUMENT: Drawing No. 47847, titled " Fabric Testing, Test Sheets ", one sheet, dated July 08, 2010, last revision #H dated July 16, 2024, and Drawing No. 47881, titled " Fabric Testing, Pocket Tubes ", one sheet, dated July 21, 2010, last revision #E dated July 16, 2024, both drawings signed and sealed by Gary Sutryn, P.E., on October 22, 2025, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each structure shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #21-0916.03 and consists of this page 1, evidence submitted pages E-1, E-2 & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
10/30/25

NOA No. 24-0906.11
Expiration Date: 10/27/2026
Approval Date: 10/30/2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-0518.05

A. DRAWINGS

1. *Drawing No. 47847, titled “ Fabric Testing, Test Sheets ”, one sheet, dated July 08, 2010, last revision #D dated February 21, 2011, and Drawing No. 47881, titled “ Fabric Testing, Pocket Tubes ”, one sheet, dated July 21, 2010, last revision #A dated February 21, 2010, both drawings signed and sealed by Gary E. Sutryn, P.E., on October 12, 2011.*

B. TESTS

1. *Test report on Large Missile Impact per TAS 201 and Cyclic Wind Pressure per TAS 203 on Tension Membrane Roof, prepared by Hurricane Engineering & Testing, Inc., Report # HETI-10-3107, dated October 04, 2010, signed and sealed by Candido Font, P.E.*
2. *Test report on Large Missile Impact per TAS 201 and Cyclic Wind Pressure per TAS 203 on Tension Membrane Roof, prepared by Hurricane Engineering & Testing, Inc., Report # HETI-10-3110, dated October 04, 2010, signed & sealed by Candido Font, P.E.*
3. *Test report on Accelerated Weathering Testing of Coating 4500 hours per ASTM G 155-05a, prepared by Hurricane Engineering & Testing, Inc., Report # HETI-10-A114, dated October 15, 2010, signed and sealed by Candido Font, P.E.*
4. *Test report on Accelerated Weathering Testing of Coating 4500 hours per ASTM G 155-05a, prepared by Hurricane Engineering & Testing, Inc., Report # HETI-10-A117, dated December 06, 2010, signed and sealed by Candido Font, P.E.*
5. *Test report on Uniform Static Pressure per TAS 202 on Tension Membrane Roof prepared by Hurricane Engineering & Testing, Inc., Report # HETI-10-3109, dated October 04, 2010, signed and sealed by Candido Font, P.E.*
6. *Test report on Uniform Static Pressure per TAS 202 on Tension Membrane Roof prepared by Hurricane Engineering & Testing, Inc., Report # HETI-10-3105, dated October 04, 2010, signed and sealed by Candido Font, P.E.*

C. CALCULATIONS

1. *Calculations titled “Calculations for Membrane Tension” prepared by Gary E. Sutryn, P.E., dated February 21, 2011, 5 sheets, signed and sealed by Gary E. Sutryn, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs.*

E. MATERIAL CERTIFICATIONS

1. *Tension Test for Grommet Bearing Strength, prepared by Hurricane Engineering & Testing, Inc., report # HETI-10-T131, dated October 04, 2010, signed and sealed by Candido Font, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section supervisor
NOA No. 24-0906.11
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Rubb, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. *Tensile Test for Seam Tensile Strength, prepared by Hurricane Engineering & Testing, Inc., report # HETI-10-T132, dated October 04, 2010, signed and sealed by Candido Font, P.E.*
3. *Tensile Test, prepared by Hurricane Engineering & Testing, Inc., report # HETI-10-T133, dated October 04, 2010, signed and sealed by Candido Font, P.E.*
4. *Tension Test for Welded Pocket Tensile Strength, prepared by Hurricane Engineering & Testing, Inc., report # HETI-10-T134, dated October 04, 2010, signed and sealed by Candido Font, P.E.*
5. *Self-Ignition Temperature per ASTM D 1929, Rate and Extent of Burn per ASTM D 635, and Smoke Density Test per ASTM D 2843 of White Ferrari Material, prepared by Hurricane Engineering & Testing, Inc., report # HETI-10-F504, dated October 04, 2010, signed and sealed by Candido Font, P.E.*

F. OTHERS

1. *Letter from Gary E. Sutryn, P.E., dated February 21, 2011, signed and sealed by Gary E. Sutryn, P.E., stating that he is the Engineer of Record on this product, he is still practicing engineering in Florida, and this product in compliance with the current Florida Building Code.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 16-1026.01

A. DRAWINGS

1. *Drawing No. 47847, titled " Fabric Testing, Test Sheets ", one sheet, dated July 08, 2010, last revision #F dated October 26, 2016, and Drawing No. 47881, titled " Fabric Testing, Pocket Tubes ", one sheet, dated July 21, 2010, last revision #C dated October 26, 2016, both drawings signed and sealed by N. Dennis Eryou, P.E., on February 01, 2017.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE


1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Letter signed and sealed by N. Dennis Eryou, P.E., dated October 27, 2016, certified this product in compliance with the Florida Building Code, 2014 Edition.*



Helmy A. Makar, P.E., M.S.
Product Control Section supervisor
NOA No. 24-0906.11
Expiration Date: 10/27/2026
Approval Date: 10/30/2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 21-0916.03

A. DRAWINGS

1. *Drawing No. 47847, titled "Fabric Testing, Test Sheets", one sheet, dated July 08, 2010, last revision #G dated August 18, 2022, and Drawing No. 47881, titled "Fabric Testing, Pocket Tubes", one sheet, dated July 21, 2010, last revision #D dated October 26, 2016, both drawings signed and sealed by Brian E. Lewis, P.E., on September 19, 2022.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Calculations titled "Calculations for Membrane Tension" prepared by Brian E. Lewis, P.E., dated September 19, 2022, 5 sheets, signed and sealed by Brian E. Lewis, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Letter signed and sealed by Brian E. Lewis, P.E., dated September 20, 2022, certified this product in compliance with the Florida Building Code, 2020 Edition.*

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 47847, titled "Fabric Testing, Test Sheets", one sheet, dated July 08, 2010, last revision #H dated July 16, 2024, and Drawing No. 47881, titled "Fabric Testing, Pocket Tubes", one sheet, dated July 21, 2010, last revision #E dated July 16, 2024, both drawings signed and sealed by Gary Sutryn, P.E., on October 22, 2025.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

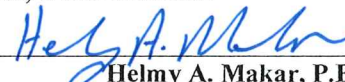
1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATIONS

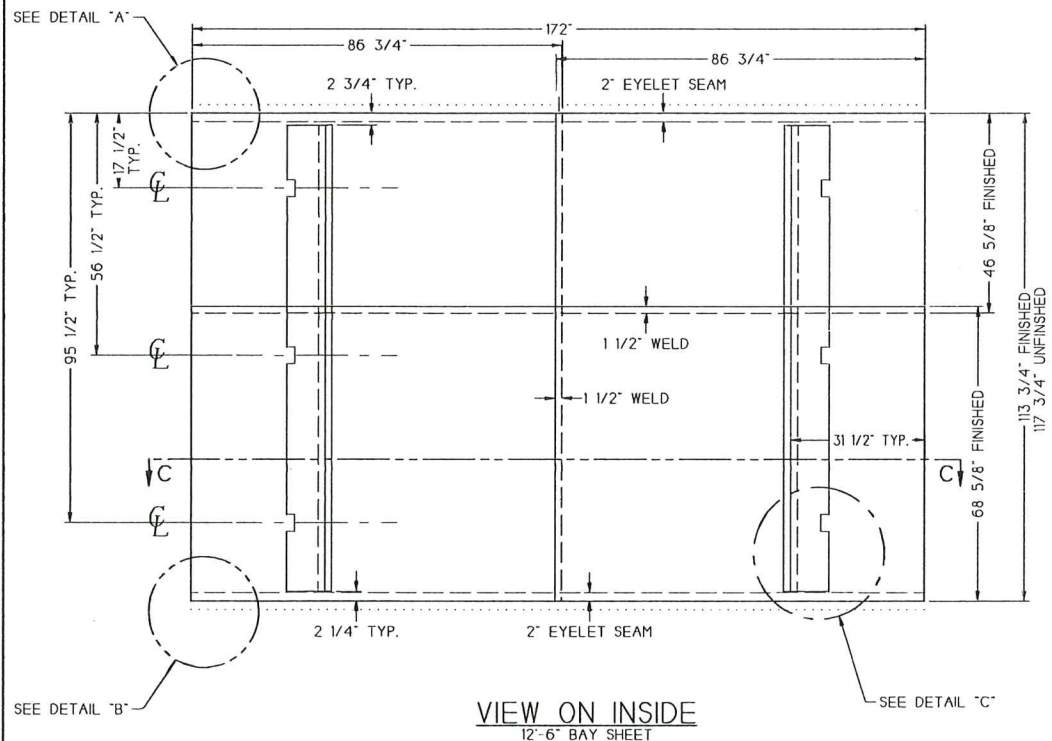
1. *None.*

F. OTHERS

1. *Letter signed and sealed by Gary Sutryn, P.E., dated October 21, 2025, certified this product in compliance with the Florida Building Code, 2023 Edition.*

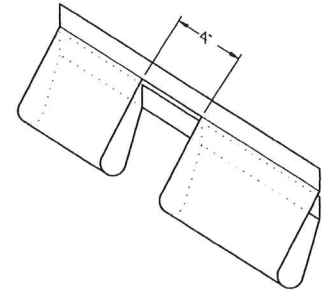


Helmy A. Makar, P.E., M.S.
Product Control Section supervisor
NOA No. 24-0906.11
Expiration Date: 10/27/2026
Approval Date: 10/30/2025

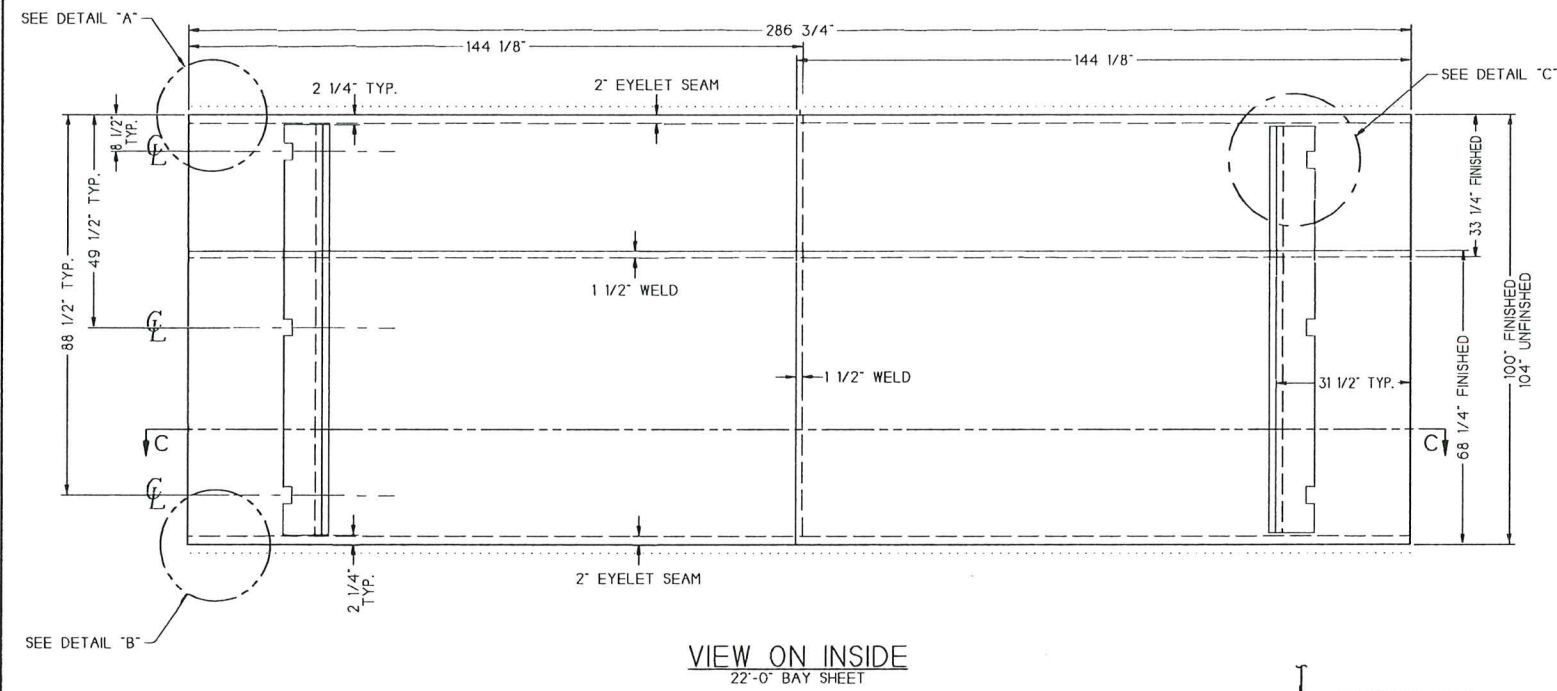


USED POCKET TUBE TT1.
SEE DRAWING 47881
FOR DETAILS.

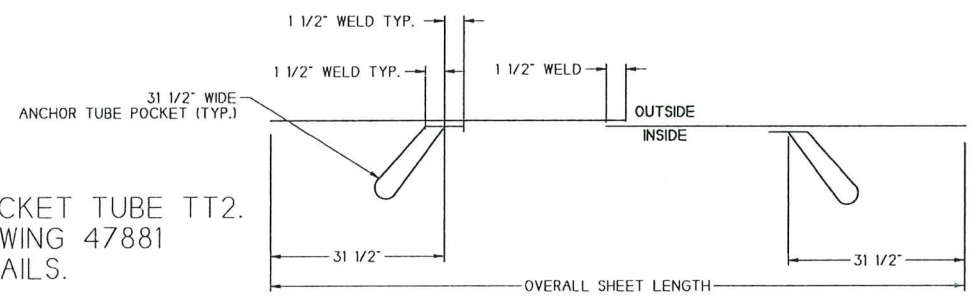
- GENERAL NOTES:
- 1) ACTUAL PROJECTS SHALL USE POCKET TUBES TO SUPPORT THE FABRIC. THE SUPPORTING TUBE AND ALL OF THE HARDWARE AS WELL AS THE TENSION IN THE FABRIC SHALL BE DESIGNED BY A FLORIDA REGISTERED ENGINEER ON A CASE BY CASE BASIS AND REVIEWED BY THE CORRESPONDING BUILDING PLANS EXAMINER. THE TUBE SHALL BE CONTINUOUS.
 - 2) THE MAXIMUM DESIGN TENSION IN FABRIC - 130.0 #/IN.
 - 3) THE WIDTH OF THE FABRIC IS UNLIMITED.
 - 4) THIS MEMBRANE FABRIC IS TESTED IN ACCORDANCE WITH THE FOLLOWING:
TAS 201 - IMPACT TEST (LARGE MISSILE)
TAS 202 - UNIFORM STATIC WIND PRESSURE TEST.
TAS 203 - CYCLIC WIND PRESSURE TEST.



DETAIL "C"
(NOT TO SCALE)



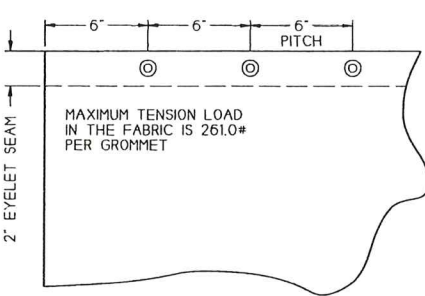
USED POCKET TUBE TT2.
SEE DRAWING 47881
FOR DETAILS.



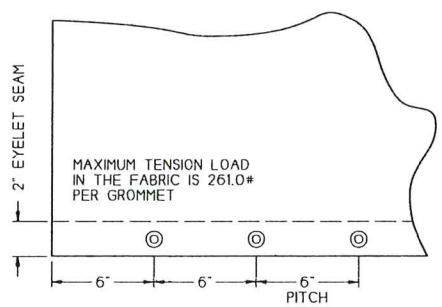
TYPICAL SECTION "C-C"
NOT TO SCALE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **24-0906-11**
Expiration Date **10/27/2026**
By *Hedy A. Mator*
Miami Trade Product Control

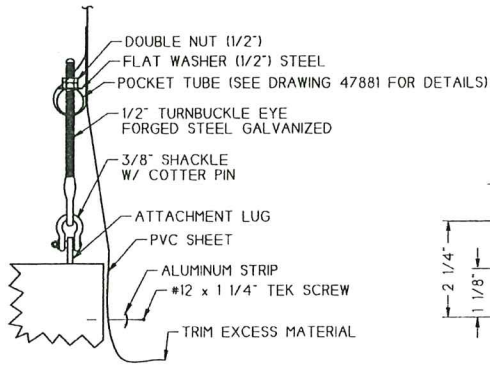
- NOTES:
- 1) MATERIAL TO BE FERRARI PRECONTRAIT 1202S.
 - 2) SEE DRAWING 47881 FOR GALVANIZED STEEL POCKET TUBES.
 - 3) MEETS 2023 FLORIDA BUILDING CODE.



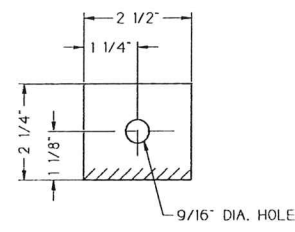
EYELET SPACING DETAIL "A"
4x SCALE



EYELET SPACING DETAIL "B"
4x SCALE



ATTACHMENT DETAIL
NOT TO SCALE



ATTACHMENT LUG
1/2" THICK, A36 MAT'L.
10x SCALE



REV.	DESCRIPTION	DRAWN	APP.	DATE
H	UPDATED BUILDING CODE IN NOTE #3	RH	GES	7-16-24
G	UPDATED BUILDING CODE IN NOTE #3	RH	GES	8-18-22
F	ADDED NOTE #3	AR	GES	10-26-16
E	REVISED PER MANN-DADE COMMENTS	MRB	GES	10-12-11
D	REVISED TO SHOW AS TESTED CONFIGURATION	LBC	AR	2/21/11
C	REVISED TO SHOW FINAL CONFIGURATION	MAG	-	-
B	ADDED DIMENSIONS TO CUTOUTS	MAG	-	-
A	REVISED FOR FABRICATION	MAG	GES	07-21-10

We Cover The World		RUBB	
BUILDING SYSTEMS		FABRIC TESTING TEST SHEETS	
DRAWN	MAG 07-08-10	SCALE	1 : 20
APP.	-	JOB #	10030
DATE	-	JOB NAME	-
RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347		DRAWING NO.	47847

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PRECONTRAIINT[®] 1202 FORMULA S

Specifications techniques	Technical specifications	Précontraint [®] 1202 Formule S	Normes Norms
Fit	Yarn	PES HT 1100/1670 Dtex	TERSUISSE
Masse totale	Total mass	1050 g/sqm 31 oz/sqyd	NF EN ISO 2286 2
Largeur	Width	180 cm	(-1mm/+1mm)
Resistance traction (chaîne/trame)	Tensile strength (warp/weft)	560/560 daN/5 cm 580/580 Lbs	NF EN ISO 1421 FTMS 191 A Method 5102
Resistance déchirure (chaîne/trame)	Tear strength (warp/weft)	80/65 daN 100/60 Lbs	DIN 53.363 ASTM D 5733-95 Trapezoid
Adherence	Adhesion	12 daN/5 cm	NF EN ISO 2411
Reaction au feu	Flame retardancy	B1/DIN 4102 - NFPA 701 - SIS 650082 - SN 198898 BS 7837 - CSFM NFP 92.503 M2 sur demande speciale a 1250 g/sqm	
Traitement de surface	Surface Treatment	FORMULE S : Ailage PVDF CALIBRE / CALIBRATED PVDF alloy	
Les données de la fiche technique ci-dessus sont des valeurs moyennes avec une tolérance de +/- 5%. / The technical data here above are average values with a +/- 5% tolerance.			
Informations complémentaires	Additional informations		
Épaisseur d'enduction en crete des fils	Coating thickness at the top of the yarns	270 microns	
Épaisseur totale	Total thickness	0,78 mm	
Passage lumineux <i>"Méthode dans l'astus" proche de la perception de l'œil humain.</i>	Light transmission <i>"Diffuse/diffuse" method, close to human eye perception.</i>	10%	NFP 38-511
Indice de blanc	White index	82 %	CIE: Commission Internationale de l'Éclairage
Valeurs thermiques Transmission solaire Réflexion solaire Absorption solaire Facteur solaire	Thermal values Transmission Réflexion Absorption Shading coefficient	Ts 7 % Rs 77 % As 16 % Fs 13 %	ASHRAE standard 74-1988
Transmission UV	Transmission UV	T-UV 0%	Eppeley Soiar & Sky U-V radiometer
Conductance thermique globale Position verticale Position horizontale	Global thermal conductivity Vertical position Horizontal position	U= 5,6W/sqm/°C U= 6,4W/sqm/°C	
Les données U sont des valeurs obtenues par calcul lors de simulations des conditions moyennes d'utilisation et sont données comme ordre de grandeur. The U data are obtained by calculation through simulations of the average conditions of use, those values must be considered as approximation.			
Indice d'affaiblissement acoustique	Acoustical weakening index	Rw: 15 dBA Tolerance +/- 1 dBA	ISO 717
Températures extrêmes supportées ponctuellement par la membrane installée Maximum temporary temperatures sustained by the installed membrane			- 30°C/+ 70°C
Management de la qualité selon	Quality management according to		ISO 9001

FERRARI PRE-CONTRAIINT 1202S

This is to confirm that Ferrari composite materials are made of:

- High Tenacity Polyester base cloth which provides the mechanical strength to the fabric
- Plasticized PVC coating both sides for waterproofness, UV resistance, fungicide treatment, flame retardancy treatment
- Surface treatments, top and back side, which can be made of various formulations of acrylic and PVDF based varnishes.

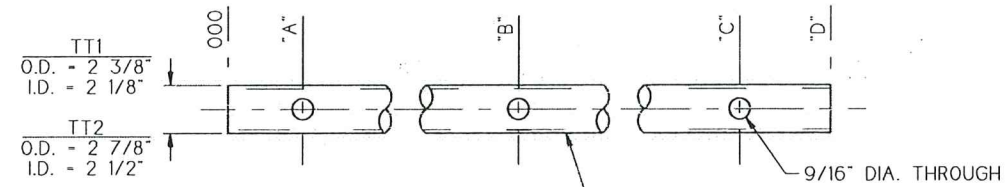
The surface treatment provides some resistance to dirt build up and allows efficient cleaning over time.

- Typically the S and S2 surface treatment are approximately 5 to 7 microns thick and are made of a calibrated PVDF/ACRYLIC alloy, weldable by high frequency machines.
- The FLUOTOP T2 surface treatment is approximately 12 to 15 microns thick and is made with a higher concentration of PVDF. This treatment is not weldable as such and needs an abrasion process of the edge prior to high frequency welding.

A given type of material, identified under a product code such as PRECONTRAIINT 1202 complies with all the mechanical characteristics stated in the corresponding data sheet which is audited under ISO 9001. The surface treatment does not interfere with the mechanical characteristics nor the flame retardancy rating.

SUMMARY OF RESULTS

DESCRIPTION	TEST STANDARDS	TEST RESULT	MIAMI-DADE COUNTY CRITERIA
SELF IGNITION TEMPERATURE (T _g)	ASTM D 1929	830°F	ACCEPTABLE IF T _g > 650°F
RATE OF BURNING	ASTM D 635	---	PASSED (C-I: < 1.0 in/min)
AVERAGE TIME OF BURN	ASTM D 635	5 SEC	---
AVERAGE EXTENT OF BURN	ASTM D 635	---	---
SMOKE DENSITY (S _d)	ASTM D 2843	44.22%	ACCEPTABLE IF S _d < 75%
ACCELERATED WEATHERING	ASTM G 155-05a	PASS	ACCEPTABLE IF < 10%



POCKET TUBE DETAIL
10x SCALE

ASSY	QTY.	SIZE	"A"	"B"	"C"	"D"	MATERIAL SPEC.
TT1	2	HSS 2 3/8" x 0.125"	15 1/8"	54 3/4"	93 3/4"	108 3/4"	A500, FY-50ksi
TT2	2	HSS SCH. 40 PIPE	8 1/4"	47 1/2"	87"	95"	A53, FY-35ksi



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 24-0906.11
Expiration Date 10/27/2026
By Hely A. Miller
Miami Dade Product Control

- NOTE:
1.) BREAK SHARP CORNERS FOR PVC.
2.) BILL OF MATERIALS IS FOR TOTAL QUANTITY REQUIRED.
3.) MEETS 2023 FLORIDA BUILDING CODE.

E	UPDATED BUILDING CODE IN NOTE #3	RH	GES	7-16-24
D	UPDATED BUILDING CODE IN NOTE #3	RH	GES	10-26-16
C	ADDED NOTE #3	AR	GES	10-26-16
B	REVISED PER MIAMI-DADE COMMENTS	MRB	GES	10-12-11
A	REVISED TO SHOW FINAL CONFIGURATION	LBC	-	-
REV.	DESCRIPTION	DRAWN	APP.	DATE
We Cover The World RUBB BUILDING SYSTEMS		TITLE FABRIC TESTING POCKET TUBES		
DRAWN	MAG 07-21-10	SCALE	1 : 30	This drawing is the property of Rubb, Inc. and may not be reproduced or used for any manufacturing purpose without the express written consent of Rubb, Inc.
APP.	GES 07-21-10	JOB #	10030	
DATE		JOB NAME		
RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347				DRAWING NO. 47881