



Building Technology Co Ltd

Submittal:

Acoustical Wall & Ceiling

Panels

INTRODUCTION

GYPTECH – Building Technology Co Ltd

©Gypotech – Building Technology Co. Ltd
17 Cross King Khalid Street • 31952
Khobar – K. S. A.
Phone 13-867 0077 • Fax 03-867 0099

INTRODUCTION LETTER

GypTech, Building Technology Co. Ltd. is a well-established architectural building material company dealing with supply of various building and finishing materials.

Our facilities include our main Head Office in Al-Khobar, two large warehousing facility in Dammam and 3 retail sales outlets/showrooms, strategically located in the busiest part of the commercial center of Al-Khobar, Dammam.

GypTech has been established in the Eastern Region since 1990 and since then we have justifiably boasted a steady progress in capturing a major segment of the Market for our range of products, not only commercial but ARAMCO, SABIC, and the Education Ministry. The reason for our fast and continuing success is dynamic and progressive marketing strategies, reliable and efficient service to customers for complete satisfaction.

Our steady growth is also accredited to our belief that a market segment once captured has to be retained.

This is made possible by extending prompt response to all before and after sales queries, thus making **RELIABILITY** and **PRESENCE** keywords in our marketing strategy.

Contact Details:

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I: www.gypotech.com.sa

ACOUSTIC PANELS

DESCRIPTION

Acoustical panel product consisting of a fine, stable and uniformly textured inorganic glass fiber bonded together by a non-water soluble and fire retardant thermosetting and heat resistant resin, and formed into semi-rigid rectangular panels. It is free from coarse fibers and short due to its mineral composition. The Panel is wrapped with 100% Recycled Polyester Fabric from with the weight of the cloth being 16.0 +/- .05 oz./lin. Yd. The panel is cut to fit on site and is typically installed on Drywall or plain concrete wall. The panel width measures 1.2 Mtr. wide x 1 Mtr. long and has a variety of edges which is blind nailed to substructure or screwed to provide a monolithic looking joint. All Quiet Space sound tests were performed using a 6 to 7 pcf (96 to 112kg/m3) medium density fiberglass boards.

MOUNTING SYSTEM:

There are various design profiles available. The ones used in standard are PVC profiles is the 1", beveled intermediate (mid-wall) panel track. It provides both the required bevels for that joint and can be used with 1" substrate.

FEATURES & ADVANTAGES

Excellent sound control qualities. Can be covered with a variety of finishes to match other finishes on a custom basis. The product is meant for educational & office environment due to its effectiveness in controlling the sound Absorption Coefficient to NRC 1.05 being 75mm panel of semi-rigid structure. The fabric is easily cleanable with mild, water free solvents or water based cleaning agents or foam. Best feature being the fabric can easily be changed to a new color to match future design changes and or space requirements.

ADDITIONAL PRODUCT DATA

ORDERING DATA:

Standard lead time is 4 weeks for most small to medium sized orders. Large or custom projects may require longer lead times.

SAMPLES:

It is important that samples be approved based on the finished product and not just a sample fabric sample. Color of fabric does vary minutely from batch to batch due to it woven texture.

PANEL WEIGHT:

A *Quiet Space* Panels having an overall thickness of 25mm weights an average 96 kg/m³.

SUGGESTED TOOLS:

Traditional woodworking tools are suitable for cutting *Quiet Space*. Autex recommends using large diameter w/3.25 wheel, fabric scissor, PVC profile scissor, and finishing corner tool with steel blade.

INSTALLATION:

Quiet Space should be installed by qualified finish carpenters in accordance with the specification. Proper tools and construction skill should be employed.



ACOUSTIC PANEL



ACOUSTIC PANEL



ACOUSTIC PANELS

DATA SHEET

Manufacture	FABRIC MATE
Material	FABRIC WRAPPED ACOUSTICAL WALL PANELS
Fabric	100% POLYSTER
Details	112kg m ³ Density; 25mm Thickness

The product is composed of fine, stable and uniformly textured inorganic glass fibers bonded together by a non water soluble and fire retardant thermosetting and heat resistant resin, and formed into semi-rigid rectangular boards or slabs. It is free from coarse fibers and shot due to its mineral composition.

The product is intended for use in commercial, institutional, industrial and residential construction as thermal and acoustical insulation for the interior, exterior partitions, cavity walls construction, floor, prefabricated houses, and precast structures.

Description

Thickness (mm)	Density (kg/m ³)	Facing	ASTM Classification
25	112	FABRIC	ASTM C 612 Type IA

Density	112 (Kg/m ³)	ASTM C 167
Thermal Conductivity (@24 °C)	0.032 (W/mK)	ASTM C518
Thermal Resistance (R) Value (m ² .K/W)	1.6 (m ² .K/W)	ASTM C518
Max. Working Temperature	260 °C	ASTM C411
Color	yellow	Visual
Compressive Resistance at 10% deformation kpa	~60	ASTM C165
Corrosiveness	Non-corrosive	ASTM C871
Water vapor sorption	< 0.2% by volume	ASTM C1104
pH	9	BS2972 SEC22
Flame Spread	0	ASTM E84
Smoke Developed	0	ASTM E84
Combustibility	Non-combustible	B.S. 476 PART 4
Fungi Resistance	Does not encourage fungi growth	ASTM C1338
Noise Reduction Coefficient (NRC)	~1.0	ASTM C423

Performance Data

FINISH	EDGE OPTIONS	SIZES	CONSTRUCTION	THICKNESS	NRC
Fabric	PVC: PVC EXTRUSION BEVELED EDGE	up to 48 x 120" Standard (1220mm x 3050mm) Any Size upon request Finish width must be sufficient to cover panel, panel thickness, and wrap minimum 1" (25mm) on back side	panel consists of a 6 to 7 pcf (96 to 112 kg/m ³) Fiber glass medium density core, with a high impact control component. Fabric corners are fully tallored (no exposed darting)	1" (25mm)	0.90

Acoustical Data

FINISH	PANEL THICKNESS	FREQUENCY (Hz)						NRC	SAA
		125	250	500	1000	2000	4000		
Fabric	1" (25mm)	0.36	0.88	1.20	1.11	1.06	0.89	0.90	1.00

Cara

camira



Spray
EJ033



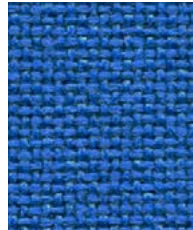
Ronay
EJ189



Dolphin
EJ105



Carron
EJ015



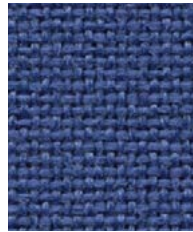
Galilee
EJ125



Inverness
EJ175



Fair Isle
EJ186



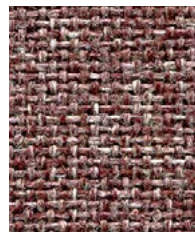
Adriatic
EJ154



Staffa
EJ185



Easdale
EJ188



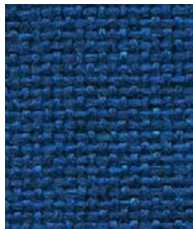
Lossie
EJ197



Tummel
EJ038



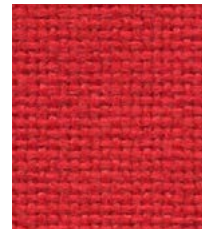
Lora
EJ187



Cluanie
EJ180



Walten
EJ011



Pitlochry
EJ076

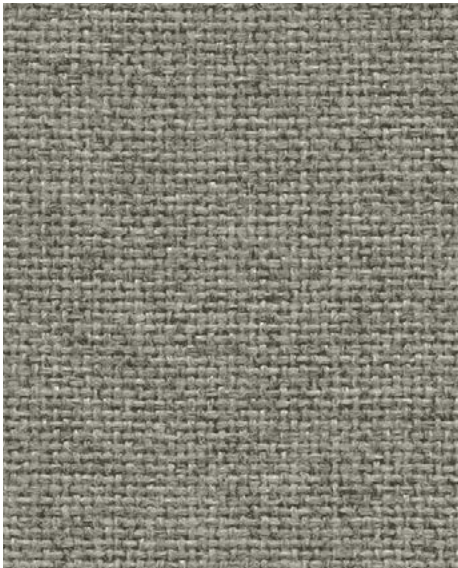
Photographic fabric scans are not colour accurate. Always request actual fabric samples before ordering.



Vit
EJ184



Glass
EJ004



Hillswick
EJ190



Lomond
EJ192



Shetland
EJ191



Beltane
EJ193



Chaucer
EJ172



Clan
EJ169



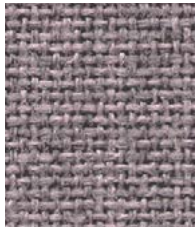
Austen
EJ173



Maree
EJ195



Portland
EJ016



Denny
EJ196



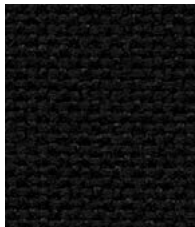
Lerwick
EJ194



Merrick
EJ048



Lead
EJ104



Black
EJ138



Panels



SBI



Acoustic



Bleach cleanable



Year guarantee

Cara is a plain weave panel fabric available in a wide selection of commercial colourways. One of our most popular vertical surface fabrics, Cara is used extensively on desk screens, wallsides and on pin boards.

This fabric is largely acoustically transparent and as such is ideal to be used as a decorative facing for sound absorbing boards.



Technical information

UK	D	F	ES
Composition 100% Polypropylene	Zusammensetzung 100% Polypropylen	Composition 100% Polypropylène	Composición 100% Polipropileno
Environment Certified to the EU Ecolabel Certified to Indoor Advantage™ Gold	Umweltfreundlich Nach Zertifikat EU Ecolabel Nach Zertifikat Indoor Advantage™ Gold	Écologique Avec le certificat EU Ecolabel Certifié à Indoor Advantage™ Gold	Ambiental Certificado con EU Ecolabel Certificado de Indoor Advantage™ Gold
Width 170 cm minimum	Breite 170 cm nutzbare Breite	Largeur 170 cm minimum	Ancho 170 cm mínimo
Weight 220 g/m² ±5% (374 g/lin.m ±5%)	Gewicht 220 g/m² ±5% (374 g/lfd.m ±5%)	Poids 220 g/m² ±5% (374 g/m.l ±5%)	Peso 220 g/m² ±5% (374 g/lin.m ±5%)
Flammability EN 1021-1 (cigarette) BS 476 Part 7 Class 1 (Adhered) EN 13501-1 (SBI) Adhered Class B, s2, d0 <i>Note: Flammability performance is dependent on components used. Our certificates show what substrates have been used in our tests. For composite tests customers must ensure their complete furniture meets the necessary standards.</i>	Feuersicherung EN 1021 - 1 (Zigarettentest) BS 476 Part 7 Class 1 (Adhered) EN 13501-1 (SBI) Adhered Class B, s2, d0 <i>Bemerkung: Die Schwerentflammbarkeit hängt von den verwendeten Komponenten ab. Unsere Zertifikate zeigen auf, welche Substrate bei den Tests verwendet wurden. Bei Verbundtests muss sichergestellt sein, daß das komplette Möbel den entsprechenden Standards entspricht.</i>	Flammabilité EN 1021 - 1 (cigarette) BS 476 Part 7 Class 1 (Adhered) EN 13501-1 (SBI) Adhered Class B, s2, d0 <i>Notez: La performance de flammabilité dépend des composantes utilisées. Nos certificats indiquent les substrats utilisés dans nos tests. Pour les tests composites, les clients doivent s'assurer que leurs meubles complets satisfont aux normes nécessaires.</i>	Inflamabilidad EN 1021 - 1 (cigarillo) BS 476 Part 7 Class 1 (Adhered) EN 13501-1 (SBI) Adhered Class B, s2, d0 <i>Nota: El rendimiento de la inflamabilidad depende de los componentes usados. Nuestros certificados muestran qué substratos se han usado en nuestros tests. Para tests compuestos nuestros clientes deben asegurar si sus muebles cumplen la normativa al uso.</i>
Light Fastness 6 (ISO 105 - B02)	Lichtechtheit 6 (ISO 105 - B02)	Solidité à la lumière 6 (ISO 105 - B02)	Solidez a la luz 6 (ISO 105 - B02)
Fastness to Rubbing Wet: 4, Dry: 4 (ISO 105 - X12)	Reibechtheit Nass: 4, Trocken: 4 (ISO 105 - X12)	Solidité au Frottement Mouillé: 4, Sec: 4 (ISO 105 - X12)	Solidez al rozamiento Húmedo: 4, Seco: 4 (ISO 105 - X12)
Bleach Cleanable ISO 105 E03 colour change 4 for dilution factor 1:4 chlorine solution	Chlorbleiche-Beständig ISO 105 E03 Farbbänderung 4 bei einer 1:4 verdünnten Chlor-Lösung	Nettoyable au javel ISO 105 E03 changement de couleur 4 pour le facteur de dilution 1: 4 solution de chlore	Posibilidad lavado con Lejía ISO 105 E03 cambio color 4 para un factor de disolución 1:4 solución cloro
Acoustic Properties Acoustically transparent. Acoustic graphs available upon request	Akustische Eigenschaften Akustisch durchlässig. Akustische Messwerte auf Anfrage	Propriétés Accoustiques Acoustiquement transparent. Graphiques acoustiques disponibles sur demande	Acústico Propiedades Acústicamente transparente. Gráficos disponibles bajo petición
Cleaning Vacuum regularly. Wipe with a damp cloth using soap and water or use proprietary upholstery shampoo. For deeper cleaning use bleach or alcohol. Full details can be found in our cleaning and disinfection guide.	Reinigung Regelmässig absaugen. Mit einem feuchten Tuch mit Wasser und Seife abwischen oder mit einem geeigneten Polstershampoo behandeln. Für eine Grundreinigung bitte Chlorbleiche oder Alkohol verwenden. Weitere Informationen finden Sie in unserem Leitfaden zur Reinigung und Desinfektion.	Nettoyage Passez l'aspirateur régulièrement. Essuyez avec un chiffon humide avec de l'eau et du savon ou utilisez un shampooining pour tissus d'ameublement exclusif. Pour un nettoyage en profondeur, utilisez la javel ou alcool. Vous trouverez tous les détails dans notre guide de nettoyage et de désinfection.	Limpieza Uso aspirador regularmente. Limpiar con un trapo usando jabón y agua o producto limpieza para tapicerías. Para una limpieza más profunda use lejía o alcohol. Los detalles completos se encuentran en nuestra guía de limpieza y desinfección.
Please note that seam performance is dependent on seam construction and needle and thread type. We recommend that appropriate sewing advice be taken.	Eine optimale Nahtausreissfestigkeit hängt von der Nahtfahne, der verwendeten Nadel und dem Näh-Garn ab. Wir empfehlen daher Nähversuche durchzuführen.	Une variation de couleurs peut provenir (commerciallement tolérable). Nous réservons le droit de changer les spécifications techniques sans préavis. Les Droits de Conception non-enregistrés et les droits d'auteur de tous les motifs sont la propriétés exclusives de Camira Fabrics Limited.	Tenga en cuenta que el rendimiento de la costura depende de la construcción de la costura, además de la aguja y del tipo de rosca. Le recomendamos que se aconsejen para coser la costura.
Batch to batch variations in shade may occur within commercial tolerances. We reserve the right to alter technical specifications without notice. The Unregistered Design Rights and the Copyright in all designs are the exclusive property of Camira Fabrics Limited.	Handelsübliche Farbabweichungen können auftreten und berechtigen nicht zur Reklamation. Wir behalten uns die Änderung technischer Spezifikationen vor. Die registrierten und nicht registrierten Urheberrechte der Dessinierungen sind ausschliessliches Eigentum der Camira Fabrics Limited.		Las variaciones de lote a lote en la sombra se puede producir dentro de tolerancias comerciales. Nos reservamos el derecho a efectuar modificaciones técnicas sin previo aviso. Los derechos sobre los diseños no registrados y los derechos de autor en todos los diseños son propiedad exclusiva de Camira Fabrics Limited.

TECHNICAL DATA SHEET

PRODUCT:	AFICO BOARD INSULATION
DETAILS:	112kg/m ³ DENSITY; 25mm THICKNESS; UF

DESCRIPTION:

The product is highly efficient, resilient, semi-rigid to rigid insulation composed of fine, stable and uniformly textured inorganic glass fibers bonded together by a non-water soluble and fire-retardant thermosetting and heat resistant resin. It is free from coarse fibers and shot due to its mineral composition.

The product is intended for use in commercial, institutional, industrial and residential construction as thermal and acoustical insulation for the interior, exterior partitions, cavity walls construction, floor, prefabricated houses, and precast structures.

Density	112 kg/m ³	ASTM C303
Thickness	25 mm	
Thermal Performance		ASTM C518
Thermal Conductivity	0.032 W/mK	
Thermal Resistance	0.8 m ² . K/W	
Maximum Working Temp.	232 °C	ASTM C411
Linear Shrinkage	< 2%	ASTM C356
Compressive Resistance @ (10% deformation)	> 1.2 kPa	ASTM C165
Corrosiveness	Passed	ASTM C665
Water Vapor Sorption	<5 % by weight	ASTM C1104
Surface Burning Characteristics		ASTM E84/ UL 723
Flame Spread Index	≤ 25	
Smoke Developed Index	≤ 50	
Fungi Resistance	Does not promote fungi growth	ASTM C1338
Odor Emission	No objectionable odor	ASTM C1304
Rigidity	Rigid	ASTM C1101
Shot Content	Not applicable	ASTM C1335
Sound Absorption Coefficient (NRC)	1.05	ASTM C423
Standard Specification Compliance	ASTM C 612, ASTM C1071	
JACKETING/FACING	UNFACED	

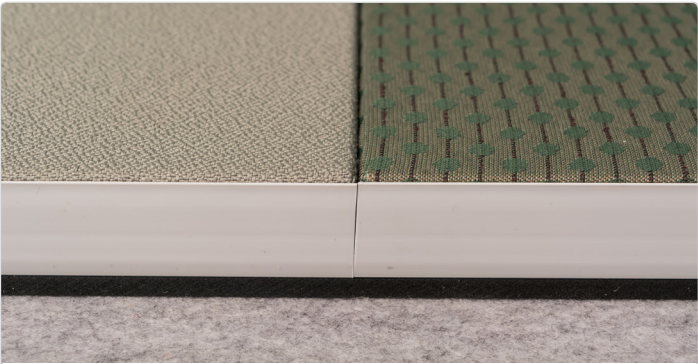
Disclaimer: All data mentioned in this technical data sheet are based on tests performed in the laboratory. Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, AFICO makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein.



FS150 HF can be used as a perimeter, intermediate piece and as an inside corner piece for 1" square profile installations.

FS150 HF is built with more channel space to accommodate heavier fabrics. Available in a range of colors. Pantone Match Color Available. (Lead times & minimum quantities apply)

This Track is perfect for use with our Fabric Wall Finishing System. Combined with our ReCore® Backing and Fabric, this track can be used to create anything from full-wall photographic murals to smaller acoustic or bulletin-board panels as well as Wainscoting and other types of Wall-Protection.



FS150HF EDGE & JOINT ON SAMPLE PANEL
ANCHORAGE & LIFESAVER FABRIC SHOWN



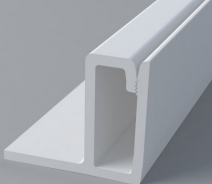
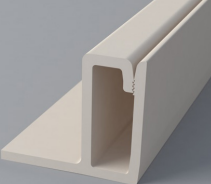
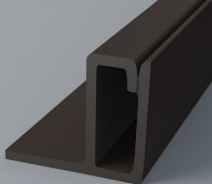
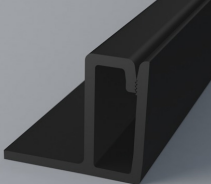
FS150HF EDGE & JOINT ON SAMPLE PANEL
FS150HF-NAT (NATURAL) SHOWN

TRACK FEATURES

Height	Edge Profile	Load Direction	Seam Usage	Edge Usage	Other
 1" THICK	 SQUARE	 FRONT	 YES	 YES	 HEAVY FABRIC

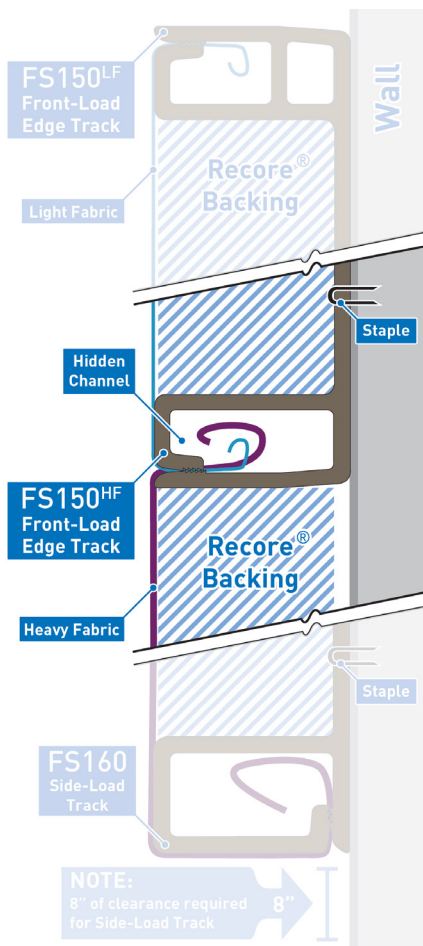
FS150 HF Track

Data Sheet

Color	White	Natural	Dark Brown	Black
Part #	FS150HF-WHT	FS150HF-NAT	FS150HF-DKB	FS150HF-BLK
				

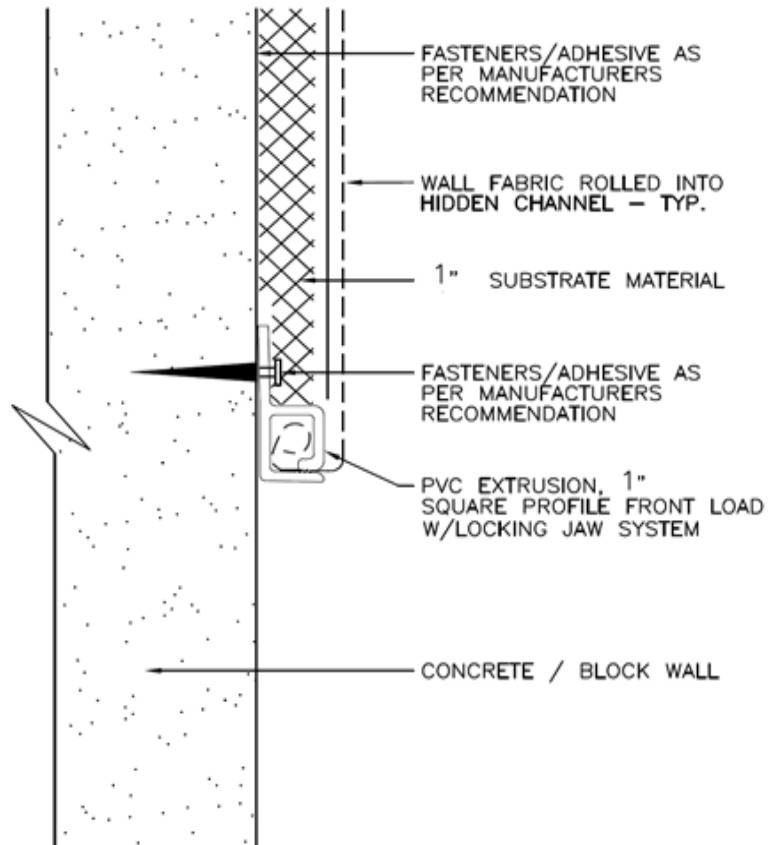
Track Features		Feature Description
Height	1"	One-Inch Track is ideal for acoustic applications, offering excellent sound absorbency, tackability and wall-protection.
Edge Profile	Square	The square profile produces clean, crisp joints and edges.
Load	Front-Loading	Front loading track can be placed up against almost any surface including walls, door moldings, etc.
Usage	Edge & Joint	Can be used as both a perimeter and intermediate (mid-wall) track with any 1 inch substrate.
Other	Heavy Fabric	Built with more channel space to accommodate heavier fabrics

TECHNICAL CUTAWAY



FS150 SPECIFICATIONS

Description	Durable PVC Track for use in Fabric Wall Finishing
Sold In	5' Lengths
Installation	Mountable with • Drywall Screws • 18 Gauge 1/4" Full-Crown Staples • Adhesive
Customization	Easily cut with: • 180 Tooth 10" Plastic Weight Chop Saw
Composition	100 % Durable PVC
Dimensions	5' x 1" x .625"
Weight	1 lb per 5' stick
Disposal	Fully Recyclable
Handling	Safe To Handle
Fire Rating	ASTM E84 Class A
VOC's	< 0.1%



1" SQUARE PROFILE FRONT LOAD FULL CONCRETE FASTENING

Date: 17 / 05 / 2020	FS005 1" SQUARE PROFILE FRONT LOAD CONCRETE FASTENING DETAIL	Fabricmate Systems 2781 Golf Course Dr. Ventura, CA 93003 805-642-7470
Drawn By: SW		
Drawing No. FS005-003		

Project References

Listed below are a few of the project completed successfully by Gyptech. A detail for any of the project is available upon request.

1. National Petroleum Tech Center, Techno Valley
Sub Contracted to Gyptech by Absal Paul .
2. Engineering Building, Dammam University
Sub Contracted to Gyptech by Manazel Co.
3. Admin Science Building, Dammam University
Sub Contracted to Gyptech by Azmeel Co.
4. Denary Building, Dammam University
Sub Contracted to Gyptech by Manazel Co.
5. Family Clinic, Dammam University
Sub Contracted to Gyptech by Azmeel Co.
6. Five School Package, Khafji
Sub Contracted to Gyptech by UTC
7. Elementary School Rastanura, Saudi Aramco
Sub Contracted to Gyptech by Yamama Co.
8. North Park Building, Saudi Aramco Dhahran
Sub Contracted to Gyptech by Yamama Co.

APPROVED:

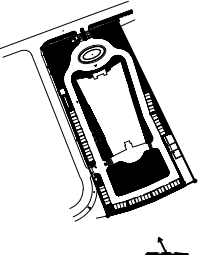
MIDDLE PVC TRACK 25MM

NEXGEN FABRICS

	CONCRETE WALL
	CONCRETE PLASTER
	MDF
	INSULATION HIGH DENSITY FIBERGLASS
	TILES (FLOOR)
	ARCHITRAVE & SKIRTING
	NEXGEN FABRICS

APC-062-NESR-A-XXX	REV
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KEY PLAN:



CONTRACTOR COORDINATION/REVIEW
ARCH.

0	PROPOSED DESIGN	01-14-21
REV.	DESCRIPTION OF REVISION	DRG. DATE APPR
<u>CONTRACTOR</u>		

ABSAL PAUL
CONTRACTING W.L.L.
P.O. BOX 6682,
AL KHOBAR 34423
KINGDOM OF SAUDI ARABIA

ACOUSTIC WALL SUPPLIER
GYPTTECH
BUILDING TECHNOLOGY CO. LTD

**National Petroleum
Technology Corporation**
P.O. BOX 11779,
DAMMAM 463
KINGDOM OF SAUDI ARABIA

PROJECT
NATIONAL PETROLEUM
TECH CENTER

ELEVATION-A & DETAILS

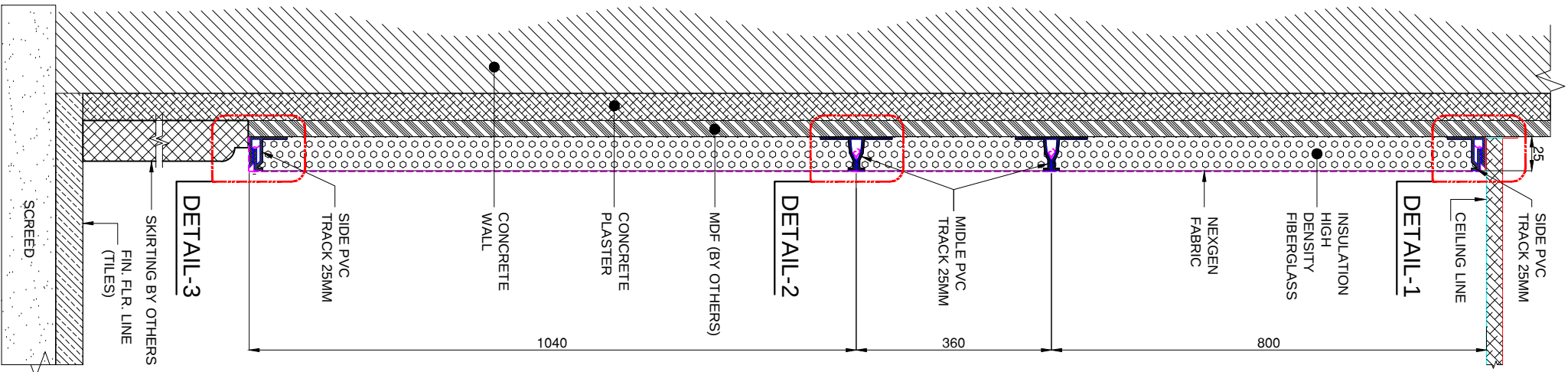
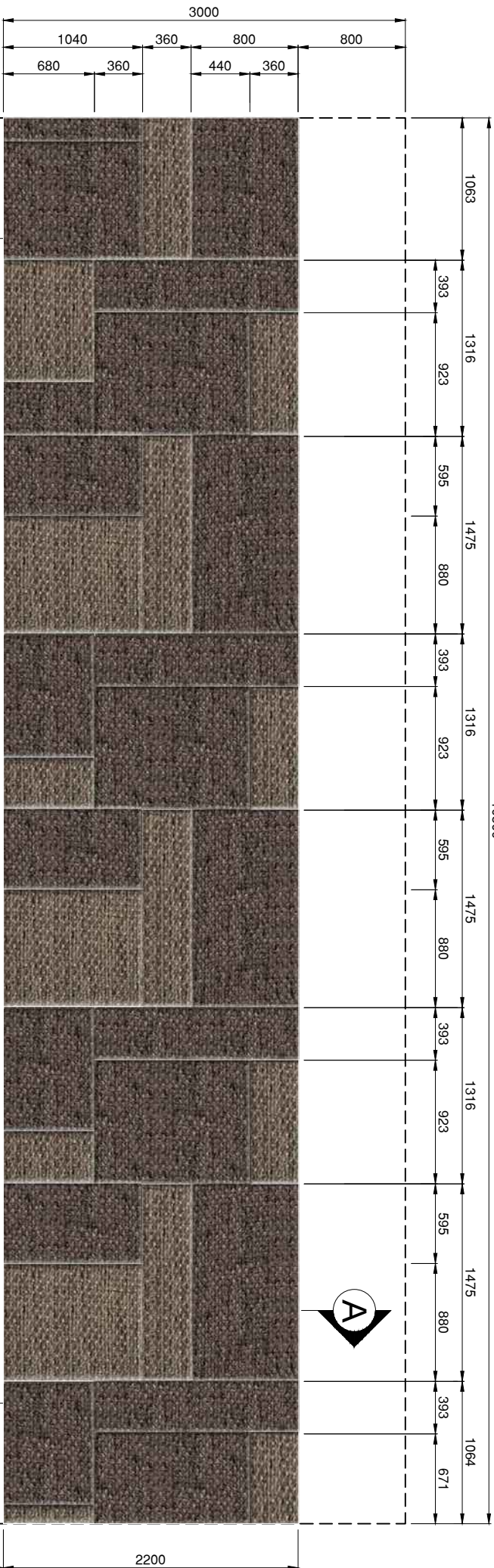
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FPS	TALHA	ARSHAD	01-14-21	2
SCALE:	DRAWING NO.			REV.
NTS	GYP - 001 - NESR - TH			0



BL-407 GREYSTONE (DARK)

FABRIC

BL-408 MINK (LIGHT)



SECTION - A

SCALE: NTS

NOTE:
ALL DIMENSIONS ARE IN MILLIMETER (MM).
UNLESS OTHERWISE NOTED (UON).

APPROVED:

DESCRIPTION (CONTRACT ITEM)

SIDE PVC TRACK 25MM

MIDDLE PVC TRACK 25MM

NEXGEN FABRICS

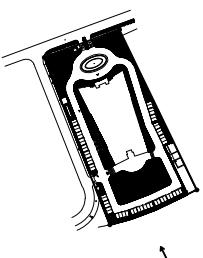
LEGEND:

- CONCRETE WALL
CONCRETE PLASTER
MDF
INSULATION HIGH DENSITY FIBERGLASS
TILES (FLOOR)
ARCHITRAVE & SKIRTING
NEXGEN FABRICS

REFERENCE DRAWINGS

APC-002-NESR-A-XXX REV:0

KEY PLAN:



CONTRACTOR COORDINATION/REVIEW

ARCH.

PROPOSED DESIGN
REV. DESCRIPTION OF REVISION
DATE
APPR.
CONTRACTOR

ABSAL PAUL
P.O. BOX 6682
AL KHOBAR 34423
KINGDOM OF SAUDI ARABIA

SUB-CONTRACTOR
ACOUSTIC WALL SUPPLIER
GYPTTECH
BUILDING TECHNOLOGY CO. LTD.

CLIENT
National Petroleum
Corporation
P.O. BOX 177
DAMMAN 483
KINGDOM OF SAUDI ARABIA

PROJECT
NATIONAL PETROLEUM
TECH CENTER

SHOP DRAWING
ELEVATION-B
& DETAILS

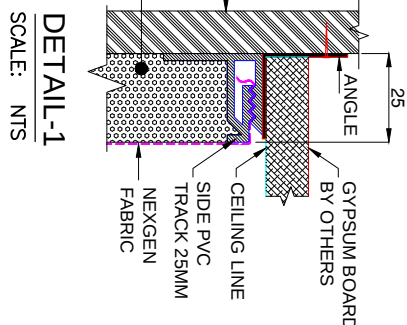
DRAWN	CHECKED	APPROVED	DATE	SHT.
FPS	TALHA	ARSHAD	01-14-21	3
SCALE	DRAWING NO.	REV		
NTS	GYP-001-NESR-TH	0		

FABRIC

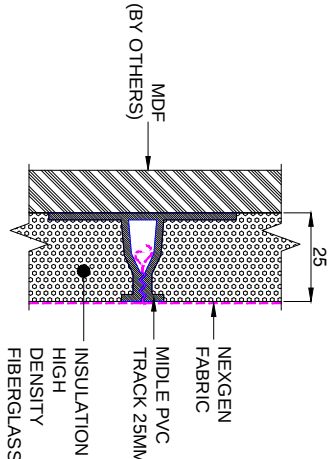
BL-408 MINK (LIGHT)



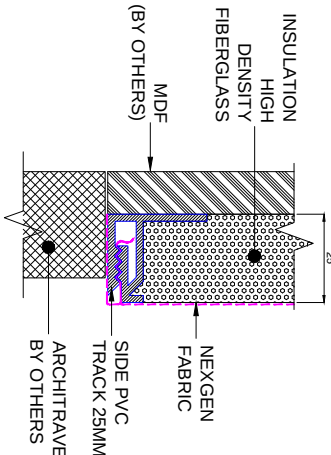
BL-407 GREYSTONE (DARK)



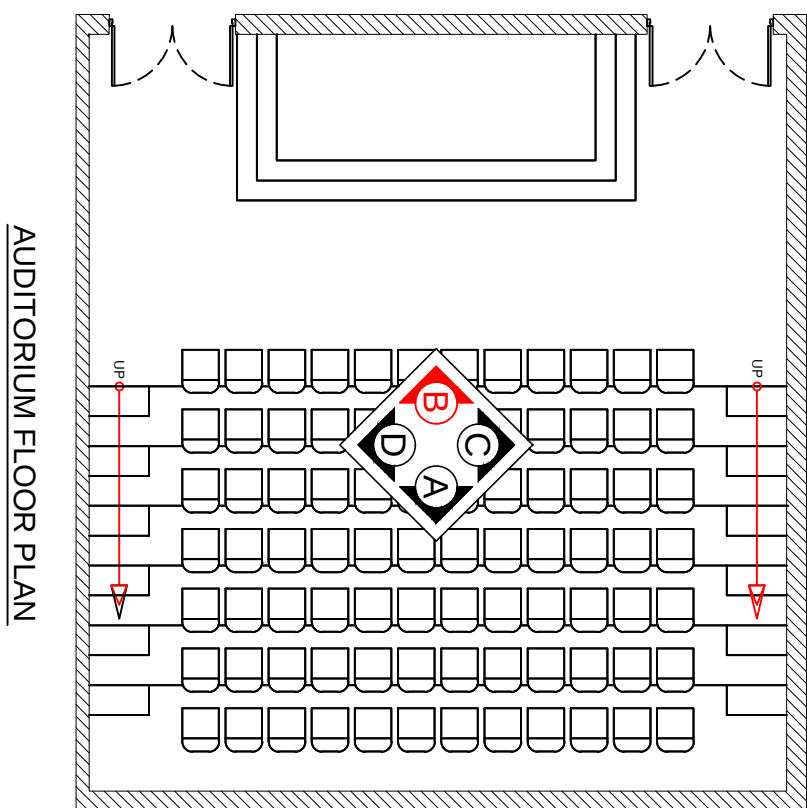
DETAIL-1
SCALE: NTS



DETAIL-2
SCALE: NTS



DETAIL-4
SCALE: NTS



AUDITORIUM FLOOR PLAN



ELEVATION - B
SCALE: NTS

SECTION - B
SCALE: NTS

