



ABSTRACT QUARTER

Watch that
empty terrace
transform into
an all-weather
studio home
in days!



Abstract Quarter presents
EcoWasp Terrace Homes.

It is time the secret science
of paper made news.

The Global experts in “Paper Honeycomb Superstructure” are here to make your Terrace Home.

**Introducing
Abstract Quarter
EcoWasp
Technology,
a global
eco-friendly
standard**

Strategically aligned paper hexagons create a honeycomb superstructure that gets strength and stability like concrete. It is nature's own secret to give us the most durable structure known.

Abstract Quarter Labs has crafted this structure close to perfection with over a decade of research. The honeycomb is further enhanced with precision Joinery solutions for composite materials to produce a variety of panels. These integrated panels are the building blocks that craft your home like a dream.



EcoWasp Technology is the base for Aerospace too.

A unique alternative with extraordinary benefits, Honeycomb structures are used in the Space and Aviation industry for superior strength and safety.

Abstract Quarter Paper Honeycomb Superstructure is the challenger to monolithic materials like stone, concrete and steel. It's also a replacement for conventional foam cores. Give your dream terrace home the advantage of the new light-weight, hyper-strength, super-material in construction design with EcoWasp technology.

Realise your penthouse dream with Abstract Quarter at an incredible cost and time.

Abstract Quarter panels
are the soul of beauty, strength
and durability.

No more worries on construction
mess, time or design possibilities.

HOME-OFFICE OR HOME THEATRE.
PLAY PEN OR PRIVATE DEN.
GYM OR LIBRARY.

Anything you want can
be built in no time.



EASY TO ASSEMBLE,
LIGHTWEIGHT
PANELS



CONSTRUCTION
COMPLETED
IN DAYS



DURABLE WITH
PROVEN LIFESPAN
OF 25+ YEARS



MOISTURE, FUNGAL
AND TERMITE
RESISTANT



HIGH THERMAL
INSULATION FOR
COOL HOMES



ECO-FRIENDLY
PANELS



FIRE-PROOF
HOMES



HIGH
WINDSPEED
TOLERANCE

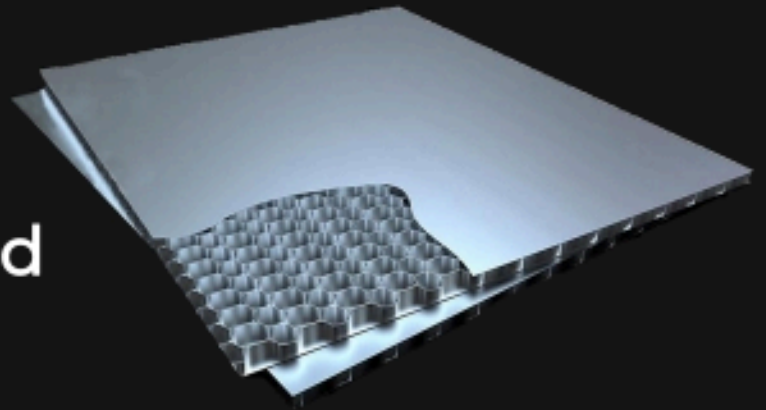


ABSTRACT QUARTER

Technology is the campfire around which we tell our stories.

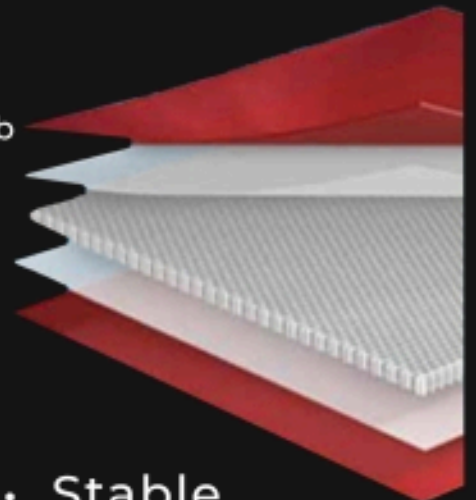


“Expanding what’s possible through form and function.”



Abstract Quarter Honeycomb Panels

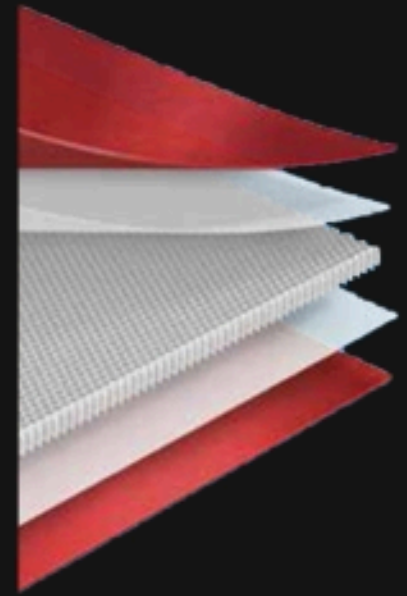
ABSTRACT QUARTER Honeycomb Panels are a high-strength, lightweight material that provide efficient mechanical performance. Our lightweight panels are an excellent alternative to monolithic materials (e.g., concrete, wood and steel) as well as panels with traditional core materials such as plywood and foam. Available in a wide range of sheet sizes and facings, our honeycomb panels are designed for ease of use in many common applications and processes. They can be engineered to meet specific requirements for strength and stiffness. ABSTRACT QUARTER Honeycomb Panels are used in many situations that require elevated core shear, compression and adhesion performance.



- Light-Weight • Strong • Tough • Stable
- Easy-to-Use • Value Engineered / Cost-effective
- Moisture and Corrosion Resistant

A WORLD OF APPLICATIONS

- CONSTRUCTION
- INTERIORS
- HEAVY PACKAGING



Honeycomb Panel consists of two high-modulus and high strength face sheets adhesively bonded to Abstract Quarter Honeycomb. The result is a high-strength, lightweight structure that behaves much like an I-Beam.

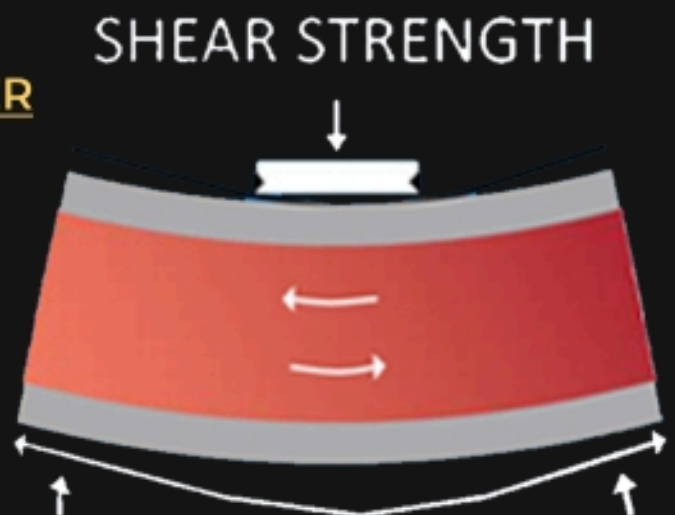
Bending stiffness is primarily based on three panel characteristics:

1. Face Sheet Thickness
2. Face Sheet Modulus of Elasticity
3. Overall Panel Thickness

Honeycomb cores provide shear resistance, a component for overall flexural rigidity.

STIFFER, STRONGER AND LIGHTER

The stiffness of Abstract Quarter Honeycomb Panels allows the end user to utilize less material and reduce weight. Abstract Quarter offers custom manufacturing, along with design, test and prototyping assistance to build you a composite sandwich structure.



CONSTRUCTION



INTERIORS

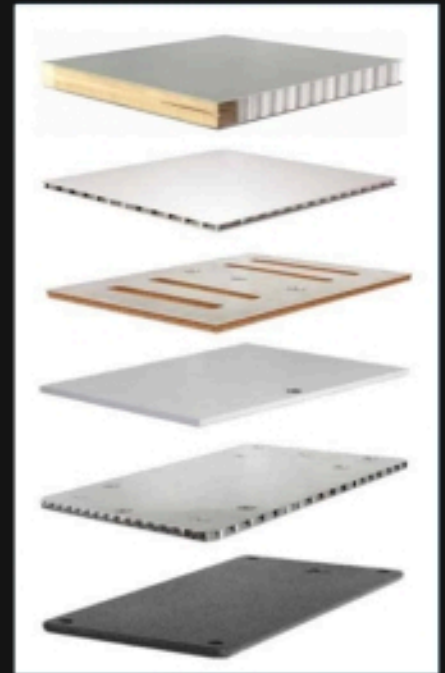


CONSTRUCTED AND TESTED FOR 12 YEARS



SPECIAL CHARACTERISTICS OF CUSTOM PANELS

- High strength-to-weight ratio.
- Energy absorbing.
- Any colour.
- Non-metallic options.
- Non-porous options.
- Primed for painting or powder coating.
- Fungi, rot, and moisture resistant.
- Internal structures such as reinforcement bars or channels.
- Finished edges for decorative, mechanical or structural purposes.
- Hard points within the panel to allow use of standard fasteners.



WHAT CAPABILITIES DOES ABSTRACT QUARTER OFFER ?

- Metal Welding
- CNC Machining
- Surface Treatment
- Powder Coat Paint
- Closed Edges
- Adhesive Bonding
- Insert Installation
- Assembly
- QC Testing



TYPICAL PANEL OPTIONS

SKIN MATERIALS:

- Aluminium
- Stainless Steel
- High Pressure Laminate
- MDF
- Fiberglass
- Plywood
- CFB
- ACP

CORES:

- Aluminium (Commercial and Aero/Military Grade)
- EPS
- Polyurethane
- Polypropylene
- Polycarbonate
- Commercial grade toughened epoxy
- Service Temperatures up to 180°F.
- Service Temperature options up to 400°F.
- Multiple weights available
- Other adhesive types available by request.

SKIN FINISHES:

- Clear Epoxy Primer
- Mill Finish
- Decorative
- Powder Coat

SIZES:

- Thickness: 5 – 500 mm standard
- Width: 1200 mm standard
- Length: Up to 2400 mm standard
- For all other sizes, please contact us.

These are all standard options. Please contact your Abstract Quarter Sales Representative to ask about all other options



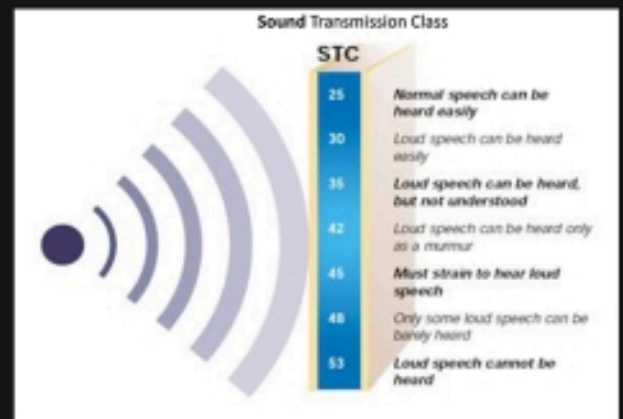
Panels used for...

1. Outdoor walls
2. Indoor walls
3. Partitions
4. Roof panels

Panel Size : 2400 x 1200 mm

Panel Thickness : 50 - 300 mm

Studio Wall – Soundproof



OTHER KEY FEATURES

FIRE RESISTANCE:

I.S.O. 834 - 1975 & I.S. 3809 - 1979 for 1/2 hour to 4 hours fire rating.

WEATHER RESISTANCE:

50 Years with regular painting every 3 years.

BIOLOGICAL PROPERTIES:

Abstract Quarter boards are radiologically fit for use as per BARC (Bhabha Atomic Research Centre) test reports.

CHEMICAL STABILITY:

The board is unaffected by many dilute chemicals such as brines, bleaches, detergents, & chlorine solutions

DURABILITY:

Temperature from -40 to +90 deg. C.

SAFETY:

Abstract Quarter Panel contains no hazardous material like Asbestos or Formaldehyde.

PANEL AND FACE DETAILS

CFB (Cement Fibre Board)						
	Face Thickness in mm					
Panel Thickness	<u>4</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>	<u>18</u>
30	✓	✓				
50	✓	✓	✓			
100		✓	✓	✓		
150		✓	✓	✓	✓	✓
200				✓	✓	✓

ACP (Aluminum Composite Panel)			
	Face Thickness in mm		
Panel Thickness	<u>2</u>	<u>3</u>	<u>6</u>
50	✓	✓	
75	✓	✓	
100	✓	✓	✓
150		✓	✓
200			✓

Gypsum	
	Face Thickness in mm
Panel Thickness	<u>12</u>
50	✓
75	✓
100	✓

Granite Brick		
	Face Thickness in mm	
Brick Thickness	<u>12</u>	<u>20</u>
100	✓	✓
150	✓	✓
200	✓	✓

Vitrified Tiles		
	Face Thickness in mm	
Panel Thickness	<u>12</u>	
100	✓	
150	✓	
200	✓	

Glass						
	Face Thickness in mm					
Panel Thickness	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>8</u>	<u>12</u>
50	✓	✓	✓	✓		
75		✓	✓	✓	✓	✓

Pine wood			
	Face Thickness in mm		
Panel Thickness	<u>6</u>	<u>10</u>	<u>20</u>
40	✓	✓	
75	✓	✓	
100	✓	✓	✓

Plywood							
	Face Thickness in mm						
Panel Thickness	<u>4</u>	<u>6</u>	<u>8</u>	<u>12</u>	<u>16</u>	<u>19</u>	<u>25</u>
25	✓	✓					
50	✓	✓	✓				
75		✓	✓	✓			
100		✓	✓	✓	✓	✓	✓

Laminate			
	Face Thickness in mm		
Panel Thickness	<u>0.6</u>	<u>0.8</u>	<u>1</u>
20	✓	✓	
30		✓	
50		✓	✓
75		✓	✓

MDF				
	Face Thickness in mm			
Panel Thickness	<u>2.5</u>	<u>4</u>	<u>6</u>	<u>12</u>
20	✓			
40	✓	✓	✓	✓
75		✓	✓	✓

HDF			
	Face Thickness in mm		
Panel Thickness		<u>6</u>	-
50		✓	
75		✓	
100		✓	

Paper		
	Face Thickness in gsm	
Panel Thickness	<u>140</u>	<u>250</u>
5	✓	✓
10	✓	✓
20	✓	✓
25	✓	✓
30	✓	✓
40	✓	✓
50	✓	✓



ABSTRACT QUARTER

Project : NCHANT Studios

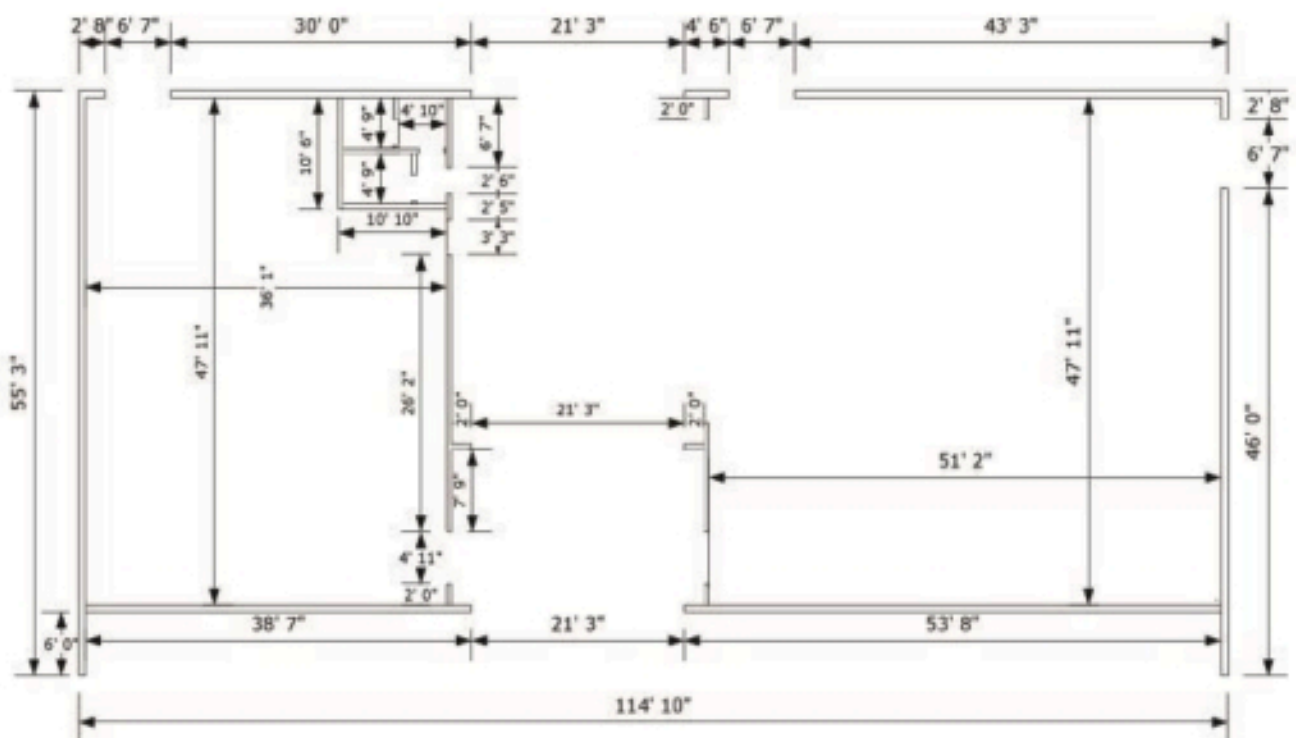
Built in 60 Working Days by 12 Men

Date : 11/01/2011

FLOOR PLAN

Project: NCHANT
Outer Wall Thic : 200mm
Inner Wall Thic : 150mm

Floor Plan



FLOATING FOUNDATION



WALL ASSEMBLY



WALL AND TRUSS ASSEMBLY



NO PILLERS



THE HONEYCOMB PANEL ROOF



THERMO LAY SKIN BURNT ON TO HONEYCOMB PANELS



INTERIORS OF ENCHANT



10 YEARS LATER 2021





ABSTRACT QUARTER

As our name suggests, our services are Abstract. We have skills in various domains that makes us a company like none other. We have been in business for over 10 years and have done over 500 projects across our various domains of services.

Year on year we are growing stronger with our execution and skill sets to execute our business. Join the Abstract Quarter family now!

For more information please reach us at:
www.abstractquarter.com

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