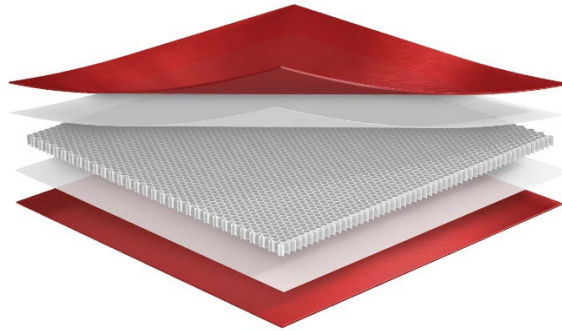




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Honeycomb Core Panel Sheets Information Required for Quotations



I. Design Objectives

1. What is the intended use for this panel?
Decorative
Structural
Non-Structural
Other (Specify)
2. How many panels do you need?
3. What is the application? Provide detailed explanation.
4. Is a part drawing available?
5. What is the current material being used?

II. Physical Characteristics

1. What panel dimensions are being requested?

Length _____ Thickness _____

Width _____

--	--

2. What is maximum allowable panel thickness? _____ in.
3. What is the minimum allowable panel thickness? _____ in.
4. What is the maximum allowable total panel weight? _____ lbs.
5. What is the minimum allowable total panel weight? _____ lbs.



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6. Please indicate panel type:

- Plain, flat panel, (no edging, no frame)
- Flat panel, decorative edging
- Flat panel, framed
- Contoured panel

7. Are there any visual requirements?

8. What type of surface finish is required?

- Plain mill finish
- Painted
- Peel ply
- Other?

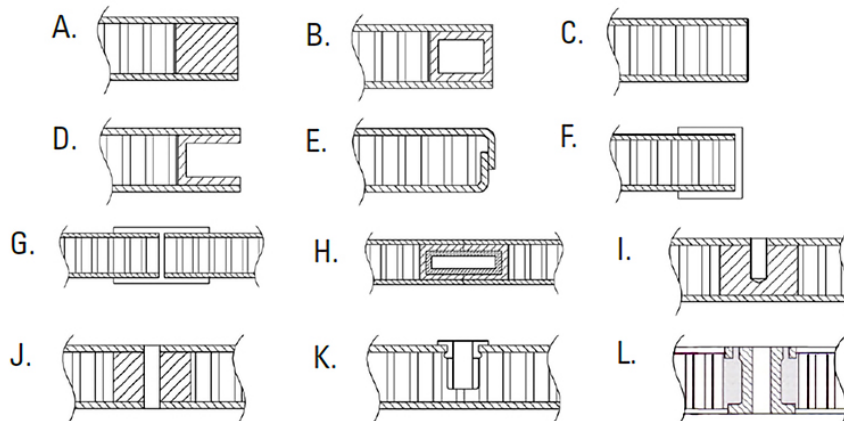
9. Do you have requirements for:

- Cut-outs? How many? (enclose sketch)
- Holes? How many?
- Treaded inserts? How many? What size?
- Localized panel interior reinforcements?

10. Desired panel dimensions:

- The desired tolerance for length and width is: _____
- The desired tolerance for panel flatness is: _____
- The desired tolerance for thickness is: _____
- The desired tolerance for flatness is: _____

11. Panel edge and insert design concepts, circle all that apply and indicate a material type (i.e. metal, wood, plastic):



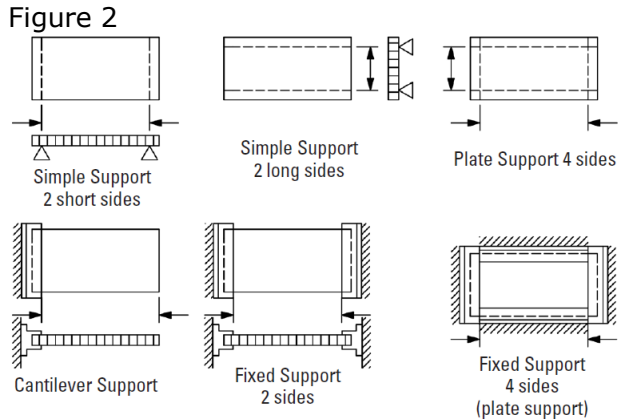


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III. Support Configuration

1. Please indicate how the panel will be supported by:
 - A. Selecting the most appropriate sketch from figure 2



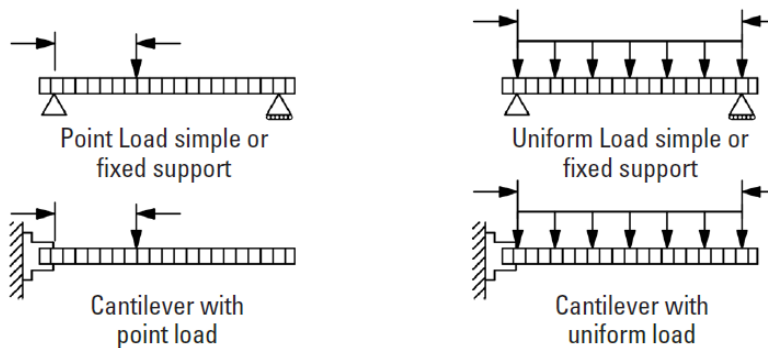
- B. Completing the dimensional information on that sketch

2. If you have a different support configuration, please provide sketch.

IV. Loading Characteristics

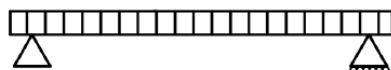
1. What is the total load on panel? _____ lbs.
2. Please indicate type of load on the appropriate sketch in figure 3
3. If point load condition, please indicate
 - A. Point load is distributed over local area of _____ sq. ft.

Figure 3



- B. Point load is located at (use x,y coordinates from figure 4)
 - C. If more than one location, please list or indicate all locations

Figure 4



4. What is the maximum allowable panel deflection? _____ in.



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V. End Use Environment

1. What is maximum temperature exposure? _____
2. What is minimum temperature exposure? _____
3. Is temperature constant? _____ How does it vary? _____
4. Will the panel be exposed to moisture? _____
 Continually? _____ Intermittently? _____
- 5.) Will the panel be exposed to chemicals?
A. If yes, please list:

VI. Certification

1. Any quality testing/certification required? Specification # _____
2. Any prototypes required? _____

VII. Panel Composite Options

Core Materials:

- Polycarbonate Honeycomb Core
- Aluminum Honeycomb Core
- Nomex Honeycomb Core
- Polypropylene Honeycomb Core
- Foam Core Type _____

Facing Materials:

- ¹ Aluminum Alloy, 3003 Mill Finish
- ¹ Aluminum Alloy, 3003, Painted
- Reinforced Epoxy
- Reinforced Phenolic
- Reinforced Polyester
- Stainless Steel
- Galvanized Steel
- High Pressure Laminate
- Decorative Thermoplastics
- Plywood
- Other _____

¹ Other aluminum alloys are available for more demanding structural requirements.