CLAIMS

What is claimed is:

1. A cellular covering for an architectural opening comprising:

a plurality of elongated outer tubular transversely collapsible cells interconnected along adjacent longitudinal sides to form an expandable and collapsible panel movable between extended and retracted positions, each said outer cell including an inner substantially concentric tubular cell secured to said outer cell along at least two peripherally spaced longitudinal lines of attachment, said inner cell being made of an air impermeable material to improve the insulating capability of said panel, wherein said outer cell is air permeable.

2. The covering of claim 1, wherein ~~said outer cell is air permeable and~~ said inner cell is made of an orientated polypropylene film.

3. The covering of claim 1, wherein ~~said outer cell is air permeable, and~~ said inner cell is made of a base layer with a film of orientated polypropylene film overlying at least a portion of said base layer.

4. The covering of any of claims 2 or 3 wherein said inner cell further includes a polyvinylidene chloride coating overlying at least a portion of said orientated polypropylene film.

5. The covering of any of claims 2 or 3, wherein a polyvinylidene chloride coating is positioned on an entire outer surface of said orientated polypropylene film.

6. The covering of any of claims 2, 3, or 4, wherein said orientated polypropylene film has a thickness of approximately 1.5 mil.

7. The covering of any of claims 4 or 5 wherein said polyvinylidene chloride has a melting or ~~/~~softening point above 225°F.

8. The covering of any of claims 4, 5, or 7, wherein said polyvinylidene chloride coating is positioned at least between said orientated polypropylene film and said outer cell along said lines of attachment.

9. A cellular panel for an architectural opening comprising:

at least one air permeable outer cell; and

at least one inner cell at least partially received within the at least one outer cell and operably connected to the outer cell, said at least one inner cell formed at least partially of an orientated polypropylene film.

10. The cellular panel of claim 9, wherein:

the at least one outer cell is operably connected to the at least one inner cell at a first location and a second location; and

a first layer of polyvinylidene chloride is positioned on the inner cell at least at one of the first location or the second location.

11. The cellular panel of claim 10, wherein the first layer of polyvinylidene chloride is positioned on the inner cell at both the first location and the second location.

12. The cellular panel of any of claims 10 or 11, wherein the at least one inner cell and the at least one outer cell are operably connected together by an adhesive positioned between the at least one inner cell and the at least one outer cell at the first location and the second location.

13. The cellular panel of any of claims 9, 10, 11, or 12, wherein the orientated polypropylene film forming the inner cell has a thickness of approximately 1.5 mil.

14. The cellular panel of any of claims 10, 11, 12, or 13 wherein the first layer of polyvinylidene chloride has a melting ~~/~~or softening point above 225°F.

15. The cellular panel of any of claims 9, 10, 11, 12, 13, or 14, wherein the at least one outer cell further includes a first crease and a second crease equally spaced from a longitudinal edge of a strip of material.

16. The cellular panel of any of claims 9, 10, 11, 12, 13, 14, or 15, wherein the at least one inner cell further includes a base material, and said orientated polypropylene film overlies an outer surface of said base material.

17. A cellular shade configured to cover an architectural opening comprising:

a first cell that is substantially air permeable;

a second cell at least partially received within the first cell and operably

connected to the first cell, and the second cell constructed at least in part by an air impermeable film.

18. The cellular shade of claim 17, wherein the air impermeable film is an orientated polypropylene.

19. The cellular shade of any of claims 17 or 18, wherein the air impermeable film further includes a polyvinylidene chloride coating.

20. The cellular shade of any of claims 17 and 18, wherein the air impermeable film is approximately 1.5 mil thick.

21. The cellular shade of any of claims 19 or 20, wherein the polyvinylidene coating has a melting ~~/~~or softening point above 225°F.

22. The cellular shade of any of claims 19, 20, or 21 where the second cell further includes a base material, where the air impermeable film is operably attached to at least a portion of an outer surface of the base material.