substrate material to provide a structure having internal channels open to at least one edge of the structure.

23. The process of claim 22 wherein the substrate material is a porous non-woven textile.

24. The process of claim 22 wherein the cavity has a series of parallel spaced depressions.

25. The process of any of claims 22 to 24 further comprising a step of coating a membrane material on the structure by passing the structure in a generally downward direction through a coating die having a shape generally matching that of the structure.

26. The process of any of claims 22 to 24 further comprising a step of coating the piece of substrate material with a membrane material while the substrate material is a flat sheet before inserting the piece of substrate material into the die.

27. The process of any of claims 22 to 24 wherein the piece of substrate material is heated to a temperature above its heat deflection temperature and cooled to below its heat deflection temperature while the substrate material is pressed against the inner surface of the cavity.

28. The device of any of claims 1-12 wherein the two sheets of substrate material are bonded together along all the lines between all the interior channels.

substrate material to provide a structure having internal channels open to at least one edge of the structure.

23. The process of claim 22 wherein the substrate material is a porous non-woven textile.

24. The process of claim 22 wherein the cavity has a series of parallel spaced depressions.

25. The process of any of claims 22 to 24 further comprising a step of coating a membrane material on the structure by passing the structure in a generally downward direction through a coating die having a shape generally matching that of the structure.

26. The process of any of claims 22 to 24 further comprising a step of coating the piece of substrate material with a membrane material while the substrate material is a flat sheet before inserting the piece of substrate material into the die.

27. The process of any of claims 22 to 24 wherein the piece of substrate material is heated to a temperature above its heat deflection temperature and cooled to below its heat deflection temperature while the substrate material is pressed against the inner surface of the cavity.

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23. The process of claim 22 wherein the substrate material is a porous non-woven textile.

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26. The process of any of claims 22 to 24 further comprising a step of coating the piece of substrate material with a membrane material while the substrate material is a flat sheet before inserting the piece of substrate material into the die.

27. The process of any of claims 22 to 24 wherein the piece of substrate material is heated to a temperature above its heat deflection temperature and cooled to below its heat deflection temperature while the substrate material is pressed against the inner surface of the cavity.

28. The device of any of claims 1-12 wherein the two sheets of substrate material are bonded together along all the lines between all the interior channels.