What is claimed is:

1. An apparatus for continuously manufacturing moisture films comprising:

at least one belt conveyor, a lower fabric layer, a first fixing solution coating device, a gel coating device, and a second fixing solution coating device; wherein the belt conveyor includes at least one circulating loading surface used as a working platform for forming the moisture film wherein the circulating loading surface includes a flat surface facing upward and moved circularly along a conveying direction from an input end to an output end thereof;

the lower fabric layer is disposed on the flat surface of the circulating loading surface and moved synchronously with the loading surface so as to receive various film-forming materials in turn during movement of the lower fabric layer for gradually and continuously forming the moisture film;

a first fixing solution layer is coated over the lower fabric layer by the first fixing solution coating device while the lower fabric layer is moved synchronously with the loading surface;

the gel coating device is disposed after the first fixing solution coating device; when the first fixing solution layer is coated over the lower fabric layer and moved synchronously with the loading surface to a working range of the gel coating device, a gel layer is coated over the first fixing solution layer by the gel coating device;

the second fixing solution coating device is arranged after the gel coating device; after the gel layer is coated over the first fixing solution layer and moved synchronously with the loading surface to a working range of the second fixing solution coating device, a second fixing solution layer is coated over the gel layer by the second fixing solution coating device;

a moisture film with a certain thickness is gradually cured and formed over the lower fabric layer due to crosslinking between the first fixing solution layer and the gel layer, and crosslinking between the second fixing solution layer and the gel layer;

wherein an upper fabric input device for providing an upper fabric layer is disposed between the gel coating device and the second fixing solution coating device; the upper fabric layer is first attached over the gel layer and then the second fixing solution layer is coated over the upper fabric layer so that crosslinking and curing reactions are carried out between the gel layer and the second fixing solution

layer so that the upper fabric layer is contained between the second fixing solution layer and the gel layer to form the moisture film.

2. The apparatus as claimed in claim 1, wherein the second fixing solution layer coated by the second fixing solution coating device is coated by spray coating, dip coating, or their combination.

3. The apparatus as claimed in claim 1, wherein a crosslinking control area is disposed after the second fixing solution coating device, and is used for control of crosslinking reaction in the moisture film gradually formed on the lower fabric layer, the crosslinking reaction between the first fixing solution layer and the gel layer and/or the crosslinking reaction between the second fixing solution layer and the gel layer is washed out or stopped by at least one crosslinking control solution that is distributed by spray coating or dip coating in the crosslinking control area.

4. The apparatus as claimed in claim 1, wherein the upper layer provided by the upper fabric input device is a continuous long strip of fabric provided continuously and attached over the gel layer.

5. The apparatus as claimed in claim 1, wherein the lower fabric layer is a continuous long strip of fabric entered onto the circulating loading surface through the input end of the circulating loading surface, attached to the loading surface smoothly and moved synchronously with the loading surface.

6. The apparatus as claimed in claim 1, wherein the lower fabric layer is fixed on the circulating loading surface of the belt conveyor so that the lower fabric layer is rotated synchronously and circularly with the belt conveyor.

7. The apparatus as claimed in claim 6, wherein a scraping and cleaning tool is arranged at a surface of the lower fabric layer rotated synchronously and circularly with the belt conveyor and the scraping and cleaning tool is used for scraping and cleaning residual fixing solution or gel of the circulating loading surface or the lower fabric layer after formation of the moisture film.