CLAIMS

1. An adsorption heat exchanger comprising:

a base sheet (26); and

an adsorbent (41) supported on the base sheet (26), wherein

the adsorbent (41) is supported by using a binder (42) and a crosslinking agent.

2. The adsorption heat exchanger of claim 1, wherein

the base sheet (26) is made of aluminum or aluminum with a resin coating layer (43) on its surface,

the adsorbent (41) includes at least one of sodium polyacrylate, silica, or a metal organic framework,

the binder (42) includes at least one of a fluorine resin, an acrylic resin, an epoxy resin, or an urethane resin, and

the crosslinking agent is a hydrocarbon having at least one of a carbodiimide group, an isocyanate group, or an ester group.

3. The adsorption heat exchanger of claim 1 or 2, wherein

the binder is used in an amount of 16 parts by mass or more to 70 parts by mass or less with respect to 100 parts by mass of the adsorbent (41), and

the crosslinking agent is used in an amount in which an acid value or hydroxyl value of the crosslinking agent is 20% or more to 50% or less of an acid value or a hydroxyl value of the binder (42).

4. The adsorption heat exchanger of any one of claims 1 to 3, wherein

the adsorbent (41) is supported by using an additive in addition to the binder (42) and the crosslinking agent.