between the outdoor tank and the foundation with the waterproof sheet is important, and in particular, complete coverage of an outer periphery of the waterproof sheet with a sealant is important, especially at the initial stage of treatment.

[0006]

Embodiments of the invention provide a method for the waterproof treatment of an outdoor tank as defined below.

~~[1]~~ According to an aspect, there is provided ~~A~~ a method of waterproof treating an outdoor tank installed on a foundation, a boundary region being defined between the bottom of the outdoor tank and the foundation, the method comprising the step of attaching a waterproof sheet comprising a rubber base made of a silicone rubber and a pressure-sensitive adhesive layer made of a silicone resin or silicone gel having pressure-sensitive adhesive properties and free of inorganic fillers across the boundary region so as to extend from the outdoor tank to the foundation for thereby forming a liquid tight cover to the boundary region, wherein a plurality of waterproof sheets are juxtaposed to form a liquid tight cover to the boundary region and liquid-tightly overlapped to define an overlap between adjacent waterproof sheets, the overlap having a width of at least 5 mm.

~~[2] The waterproofing method of [1] wherein~~Preferably, a plurality of waterproof sheets are juxtaposed to form a liquid tight cover to the boundary region and liquid-tightly overlapped to define an overlap between adjacent waterproof sheets, the overlap having a width of at least 5 mm.

~~[3] The waterproofing method of [1] or [2] wherein~~Preferably, the waterproof sheet is pressure-sensitive adhesive on at least one surface, and the waterproof sheet is attached such that the pressure-sensitive adhesive surface may extend across the boundary region from the outdoor tank to the foundation.

~~[4] The waterproofing method of [3] wherein~~Preferably, the one surface of the waterproof sheet has a bond strength of

0.5 to 10 N/25 mm relative to the outdoor tank and 0.5 to 10 N/25 mm relative to the foundation.

~~[5] The waterproofing method of any one of [1] to [4] wherein~~Preferably, the waterproof sheet is directly attached to the outdoor tank and the foundation without any primer.

~~[6] The waterproofing method of any one of [1] to [5] wherein~~Preferably, the waterproof sheet is formed of silicone.

~~[7] The waterproofing method of any one of [1] to [6] wherein~~Preferably, the foundation is made of concrete, mortar, asphalt concrete, asphalt mortar, or asphalt sand.

~~[8]~~ Preferably, ~~The~~ the waterproofing method ~~of any one of [1] to [7],~~ further ~~comprising~~ comprises the step of applying a sealant to a tank side edge portion and a foundation side edge portion of the waterproof sheet.

~~[9] The waterproofing method of any one of [1] to [8] wherein~~Preferably, the sealant is a silicone base sealant.

CLAIMS:

1. A method of waterproof treating an outdoor tank installed on a foundation, a boundary region being defined between the bottom of the outdoor tank and the foundation, the method comprising the step of attaching a waterproof sheet comprising a rubber base made of a silicone rubber and a pressure-sensitive adhesive layer made of a silicone resin or silicone gel having pressure-sensitive adhesive properties and free of inorganic fillers across the boundary region so as to extend from the outdoor tank to the foundation for thereby forming a liquid tight cover to the boundary region, wherein a plurality of waterproof sheets are juxtaposed to form a liquid tight cover to the boundary region and liquid-tightly overlapped to define an overlap between adjacent waterproof sheets, the overlap having a width of at least 5 mm.

~~2. The waterproofing method of claim 1 wherein a plurality of waterproof sheets are juxtaposed to form a liquid tight cover to the boundary region and liquid-tightly overlapped to define an overlap between adjacent waterproof sheets, the overlap having a width of at least 5 mm.~~

~~3~~2. The waterproofing method of claim 1 ~~or 2~~ wherein the waterproof sheet is pressure-sensitive adhesive on at least one surface, and the waterproof sheet is attached such that the pressure-sensitive adhesive surface may extend across the boundary region from the outdoor tank to the foundation.

~~4~~3. The waterproofing method of claim ~~3~~2 wherein the one surface of the waterproof sheet has a bond strength of 0.5 to

10 N/25 mm relative to the outdoor tank and 0.5 to 10 N/25 mm relative to the foundation.

~~5~~4. The waterproofing method of any one of claims 1 to ~~4~~3 wherein the waterproof sheet is directly attached to the outdoor tank and the foundation without any primer.

~~6. The waterproofing method of any one of claims 1 to 5 wherein the waterproof sheet is formed of silicone.~~

~~7~~5. The waterproofing method of any one of claims 1 to ~~6~~4 wherein the foundation is made of concrete, mortar, asphalt concrete, asphalt mortar, or asphalt sand.

~~8~~6. The waterproofing method of any one of claims 1 to ~~7~~5, further comprising the step of applying a sealant to a tank side edge portion and a foundation side edge portion of the waterproof sheet.

~~9~~7. The waterproofing method of ~~any one of claims 1 to 8~~claim 6 wherein the sealant is a silicone base sealant.

8. The waterproofing method of any one of claims 1 to 7 wherein the waterproof sheet has an Asker C hardness of 15 to 30.