CLAIMS

1. A method for applying insulation to a combined cylindrical tank of bi-lobe, tri-lobe or multi-lobe type for storage of liquefied gas, the method comprising:
- providing a combined cylindrical tank of bi-lobe, tri-lobe or multi-lobe type comprising a tank shell (1);
- spraying one or more layers of a polymer foam (2) onto the exterior surface of the tank shell (1); and
- mounting one or more crack barriers (4) on top of one or more layers of polymer foam (2), wherein the one or more crack barriers (4) are anchored to the exterior surface of the tank shell (1) in connection area(s) of cylindrical sections of the combined cylindrical tank of bi-lobe, tri-lobe or multi-lobe type.

2. The method according to claim 1, wherein the one or more crack barriers (4) are anchored to the exterior surface of the tank shell (1) by means of studs (3), fixed to the tank shell (1).

3. The method according to claim 2, wherein the one or more crack barriers (4) are fixed in place on the studs (3) by securing bars (6), washers and nuts (5).

4. The method according to any preceding claim, wherein each crack barrier (4) comprises a mesh or perforated plate, the mesh or perforated plate preferably comprising a plastics material, a glass fiber material, a metal or a composite material.

5. The method according to any preceding claim, wherein, after completion of spraying, a cladding (7) is attached to the combined cylindrical tank.

6. The method according to claim 5, wherein the cladding (7) is fixed to the studs (3) by means of securing bars (6), washers and nuts (5).

7. The method according to claim 6, wherein each stud (3) comprises a thermal break, forming an integral part of the stud (3).

8. The method according to claim 5, wherein the cladding (7) remains unconnected to the studs (3), thereby creating a thermal break.

9. The method according to any preceding claim, wherein the combined cylindrical tank is a bi-lobe tank, a tri-lobe tank or a multi-lobe tank.

10. A combined cylindrical tank of bi-lobe, tri-lobe or multi-lobe type for storage of liquefied gas, the combined cylindrical tank of bi-lobe, tri-lobe or multi-lobe type comprising:
- a tank shell (1);
- one or more layers of a polymer spray foam (2) covering the exterior surface of the tank shell (1);
- one or more crack barriers (4), mounted on top of one or more layers of polymer spray foam (2) and anchored to the exterior surface of the tank shell (1) in connection area(s) of cylindrical sections of the combined cylindrical tank of bi-lobe, tri-lobe or multi-lobe type.

11. The combined cylindrical tank according to claim 10, wherein the one or more crack barriers (4) are anchored to the exterior surface of the tank shell (1) by means of studs (3), fixed to the tank shell (1).

12. The combined cylindrical tank according to claim 11, wherein the one or more crack barriers (4) are fixed in place on the studs (3) by securing bars (6), washers and nuts (5).

13. The combined cylindrical tank according to any preceding claim, wherein each crack barrier (4) comprises a mesh or perforated plate, the mesh or perforated plate preferably comprising a plastics material, a glass fiber material, a metal, or a composite material.

14. The combined cylindrical tank according to any preceding claim, further comprising a cladding (7), covering the polymer spray foam (2).

15. The combined cylindrical tank according to claim 14, wherein the cladding (7) is fixed to the studs (3) by means of securing bars (6), washers and nuts (5).

16. The combined cylindrical tank according to claim 15, wherein each stud (3) comprises a thermal break, forming an integral part of the stud (3).

17. The combined cylindrical tank according to claim 14, wherein the cladding (7) is unconnected to the studs (3), thereby creating a thermal break.

18. The combined cylindrical tank according to any preceding claim, comprising a bi-lobe tank type, a tri-lobe tank type or a multi-lobe tank type.

19. Marine installation, such as a vessel, comprising a combined cylindrical tank according to any one of claims 10 - 18.

20. Use of a combined cylindrical tank according to any one of claims 10 - 18 for storing and/or transporting a liquefied gas, such as a liquefied natural gas, a liquefied petroleum gas, a liquefied ethane gas or a liquefied ethylene gas.