

Consolidated Amended Claims

1. A flexible fire barrier comprising a woven inorganic fibre substrate and a silicone-based outer coat applied to the substrate, wherein the woven substrate is provided as a substantially planar mat and wherein a ratio of 75% - 95% for the substrate and 5%-25% for the outer coat on a weight basis is used.
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2. A flexible fire barrier as claimed in claim 1, wherein the flexible fire barrier is classified A1 or A2 according to EN 13501-1 and water-resistant according to the EN 1928 water tightness test at 2 kPa.
- 2.3. A flexible fire barrier as claimed in claims 1 or 2 wherein the inorganic fibre is selected to provide fire resistant properties.
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- 3.4. A flexible fire barrier as claimed in claims 1 or to claim 23 wherein the inorganic fibre is non-metallic.
- 4.5. A flexible fire barrier as claimed in any one of the preceding claims wherein a satin/sateen weave structure is used.
- 15 5.6. A flexible fire barrier as claimed in claim 45 wherein an 8-end satin/sateen weave structure is used.
- 6.7. A flexible fire barrier as claimed in any one of the preceding claims wherein the substrate is a single layer substrate.
- 7.8. A flexible fire barrier as claimed in any one of the preceding claims wherein the outer coat is applied to one or more sides of the woven substrate.
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- 8.9. A flexible fire barrier as claimed in any one of the preceding claims wherein the outer coat fully encapsulates the substrate.
- 9.10. A flexible fire barrier as claimed in any one of the preceding claims wherein the outer coat at least partially penetrates the woven substrate.
- 25 10.11. A flexible fire barrier as claimed in any one of the preceding claims wherein the outer coat forms a continuous outer coat.
- 11.12. A flexible fire barrier as claimed in any one of the preceding claims wherein a colour is used in the outer coat.

12.13. A flexible fire barrier as claimed in any one of the preceding claims wherein a ratio 87.5%:12.5% on a weight basis of substrate and outer coat is used.

5 13.14. A method of forming a flexible fire barrier as claimed in any one of the preceding claims comprising the steps of selecting an inorganic fibre, weaving the inorganic fibre into a selected weight substrate and applying a silicone-based outer coat to the substrate.

14.15. A method of forming a flexible fire barrier as claimed in claim 13.14 wherein the outer coat is applied using a method chosen according to a type of outer coat material used.

10 15.16. A method of forming a flexible fire barrier as claimed in claim 13.14 wherein a silicone-based material used for the outer coat is chosen according to a method of application used.

15 16.17. A method of forming a flexible fire barrier as claimed in any one of claims 13.14 to 15.16 wherein a dipping process is used to apply a water-based outer coat material to the substrate.

17.18. A method of forming a flexible fire barrier as claimed in any one of claims 13.14 to 16.17 wherein spread coat process is used for a non-water-based outer coat material.

20 18.19. A cavity tray or damp-proof course barrier comprising the flexible fire barrier as claimed in any one of 1 to 12.13.

19.20. The use of a flexible fire barrier as claimed in any one of claims 1 to 13 as a fire barrier.

20.21. The use of a flexible fire barrier as claimed in any one of claims 1 to 13 or 19 as a cavity tray or damp-proof course barrier.