Claims

1. Cushion (10) for an aircraft seat comprising

- at least one antimicrobially active pad (11) of at least one ~~plastic~~ polyurethane foam material, wherein at least one thiabendazole and at least one pyrithione as at least two antimicrobially active substances are contained in the polyurethane foam pad, ~~wherein the antimicrobially active substances do not contain silver or silver ions,~~ and

- at least one antimicrobial flame retardant fabric (12) covering the at least one pad,

wherein the flame retardant fabric comprises at least one abrasion layer and at least one barrier layer,

wherein the at least one abrasion layer consists of 50 to 90 wt%, polyacrylonitrile (PAN) fibers and 10 to 50 wt%, para-aramide fibers,

wherein the at least one barrier layer comprises 50 to 90 wt% acrylonitrile fibers, 5 to 30 wt% para-amide fibers, and 5 to 30 wt% pre-oxidized polyacrylonitrile (preox PAN) fibers,

wherein at least one thiabendazole and at least one pyrithione are incorporated into each of the at least one abrasion layer and the at least one barrier layer; and

- at least one antimicrobially active coating (13), wherein the material of the coating is provided with or coated with an aqueous dispersion of pyrithione and thiabendazole having a pH between 6.9 - 7.9.

~~2. Cushion according to any one of the preceding claims, characterized in that at least one antimicrobial active substance is at least one thiabendazole (TBZ).~~

~~3.~~ 2. Cushion according to claim ~~2~~ 1, characterized in that the at least one thiabendazole is present in the cushion in an amount between 5 and 25% by weight, preferably between 10 and 20% by weight, more preferably between 12 and 18% by weight, most preferably 15% by weight.

~~4. Cushion according to any one of the preceding claims, characterized in that at least one antimicrobial active substance is at least one pyrithione.~~

~~5. Cushion of claim 4, characterized in that the at least one pyrithione is a zinc pyrithione.~~

~~6.~~ 3. Cushion according to claim ~~5~~ 1 or 2, characterized in that the at least one pyrithione is present in the cushion in an amount between 5 and 25% by weight, preferably between 10 and 20% by weight, more preferably between 12 and 18% by weight, most preferably 15% by weight.

~~7.~~ 4. Cushion according to any one of the preceding claims, characterized in that the at least two antimicrobially active substances are used in the cushion in a weight ratio of between 1 : 5 and 5 : 1, preferably between 1: 3 and 3 :1 , more preferably between 1 : 2 and 2 :1, ~~m~~ most preferably 1 : 1.

~~8.~~ 5. Cushion according to any one of the preceding claims, characterized in that the ~~at least one~~ cushion is made of a plastic foam, preferably polyurethane foam, polyurethane-graphite foam, polyethylene foam, polystyrene foam, polycarbonate foam, polyether foam, polyester foam, PVC foam, silicone foam, PMMA (polymethyl methacrylate) foam.

~~9.~~ 6. Cushion according to any one of the preceding claims, characterized in that ~~said~~ the at least ~~one flame retardant fabric (12) comprises:~~

~~- at least~~ one barrier layer ~~comprising at least one nonwoven fabric of at least one type of flame-resistant fiber, and~~

1. ~~- at least one abrasion-resistant layer provided on the barrier layer comprising at least one textile material with high abrasion resistance made of at least one type of fiber, preferably at least two types of fiber.~~ is made of 60 to 80 wt%, preferably 70 wt% acrylonitrile fibers (such as Pyrotex fiber),

   10 to 20 wt%, preferably 15 wt% para-amide fibers, and

   10 to 20 wt%, preferably 15 wt% pre-oxidized polyacrylonitrile (preox PAN) fibers

~~10. Cushion of claim 9, characterized in that the at least one barrier layer comprises at least one nonwoven fabric of at least two, preferably at least three, types of fibers.~~

~~11.~~ 7. The cushion ~~Cushion~~ according to any one of the preceding claims ~~9-10~~, characterized in that the at least one barrier layer ~~comprises at least one nonwoven~~

~~fabric of at least three types of fibers comprising 50 to 90% by weight, preferably 60 to 80% by weight, more preferably 70% by weight of a first type of fiber, 5 to 30% by weight, preferably 10 to 20% by weight, more preferably 15% by weight of a second type of fiber, and 5 to 30% by weight, preferably 10 to 20% by weight, more preferably 15% by weight of a third type of fiber~~ has a basis weight between 50 and 150 g/m^2 , preferably between 60 and 120 g/m^2 , more preferably between 70 and 100 g/m^2 .

~~12.~~ 8. Cushion according to any one of the preceding claims ~~9-11~~, characterized in that the at least one ~~abrasive~~ barrier layer ~~comprises a textile fabric of 50 to 90% by weight, preferably 60 to 80% by weight, more preferably 70% by weight of a first type of fiber, and 10 to 50% by weight, preferably 20 to 40% by weight, more preferably 30% by weight of a second type of fiber~~ is made of

60 to 80% by weight, preferably 70% by weight, of polyacrylonitrile (PAN) fibers, and

20 o 40% by weight, preferably 30% by weight, of para-aramide fibers.

9. Cushion according to one of the preceding claims, characterized in that the at least one abrasion layer has a basis weight of between 100 and 180 g/m^2 , preferably between 110 and 150 g/m^2 , in particular preferably between 130 and 140 g/m^2.

10. The cushion according to any one of the preceding claims, characterized in that the at least one thiabendazole and at least one pyrithione are introduced in an aqueous dispersion in an amount between 0.1-0.7%, preferably 0.4-0.5% with respect to the weight of the fabric, respectively, into the at least one abrasion layer and the at least one barrier layer.

~~13.~~ 11. Cushion according to any one of the preceding claims, characterized in that the at least one flame ~~protection~~ retardant fabric (12) has at least one intumescent layer, in particular of exfoliated graphite.

~~14. Cushion according to any one of the preceding claims, characterized in that at least one antimicrobially active coating (13) is provided on the upper side of the flame retardant fabric.~~

~~15.~~ 12. Cushion according to any one of the preceding claims characterized by at least one stabilizing means embedded in the at least one pad.

~~16.~~ 13. Cushion according to claim ~~15~~ 12, characterized in that said at least one stabilizing means comprises spaced apart profiled support rails (21).

~~17.~~ 14. An aircraft seat comprising ~~at least one~~ the cushion according to any one of the preceding claims.