CLAIMS

1. A stack of tissue paper product, wherein the tissue paper product is forming panels having a length, and a width perpendicular to said length, said panels being piled on top of each other to form a stack height, said tissue paper product comprising at least one non-wood tissue ply, the non-wood tissue ply comprising non-wood pulp fibres being present in an amount of at least 10% by dry weight of the non-wood tissue ply, and the stack having a density of at least 0.15 g/cm^3.

2. A stack according to claim 1, wherein the non-wood tissue ply is made using structured tissue technology, such as one out of TAD (Through Air Drying), ATMOS, textured NTT, eTAD, QRT, UCTAD, and PrimeLineTEX technology.

3. A stack according to any one of the preceding claims, wherein the tissue paper product is a single-ply product consisting of said non-wood tissue ply.

4. A stack according to any one of the preceding claims, wherein the tissue paper product is a multi-ply product comprising at least two plies, wherein one or more plies is a non-wood tissue ply comprising non-wood pulp fibres being present in an amount of at least 10% by dry weight of the non-wood tissue ply.

5. A stack according to any one of the preceding claims, wherein the tissue paper product in an unfolded state has a basis weight less than 100 gsm, optionally less than 80 gsm or 60 gsm, and/or a GMT tensile strength of at least 60 N/m, optionally at least 70 N/m or at least 80 N/M, and/or wherein the tissue paper product has an absorbency of at least 7 g/g, optionally of at least 8 g/g.

6. A stack according to any one of the preceding claims, wherein the tissue paper product in an unfolded state has a thickness in the range between from 0.1 to 3.0 mm, as obtained after removal of the tissue product from the stack.

7. A stack according to any one of the preceding claims, wherein the non-wood cellulose pulp fibres contain at least 15% hemicellulose, and/or wherein the non-wood cellulose pulp fibres contain no more than 15 % lignin.

8. A stack according to any one of the preceding claims, wherein the non-wood cellulose pulp fibres have an average fibre length of less than 1700 µm.

9. A stack according to any one of the preceding claims, wherein said non-wood tissue ply or plies comprises said non-wood cellulose pulp fibres in an amount of at least 15%, optionally at least 20% by dry weight and in an amount of less than 70%, optionally of less than 60% by dry weight.

10. A stack according to any one of the preceding claims, wherein said non-wood tissue ply further comprises wood pulp fibres, such as hardwood cellulose pulp fibres and/or softwood cellulose pulp fibres, wherein said non-wood tissue ply optionally comprises the wood pulp fibres in an amount such that the wood pulp fibre amount plus the non-wood fibre amount constitutes 100% dry weight of the non-wood tissue ply.

11. A stack according to claim 10, wherein the hardwood/softwood dry weight proportion of the wood pulp fibres in said non-wood tissue ply is less than 95/5, optionally less than 90/10 or 80/20.

12. A stack according to any one of the preceding claims, wherein said non-wood tissue ply or plies comprises two or more layers, and at least one layer comprises non-wood fibres.

13. A stack according to any one of the preceding claims, wherein a portion or all non-wood cellulose pulp fibres are never-dried non-wood cellulose pulp fibre.

14. A stack according to any one of the preceding claims, comprising softwood cellulose pulp fibres and wherein a portion or all softwood cellulose fibres are never-dried softwood cellulose pulp fibres, and/or comprising hardwood cellulose pulp fibres and wherein a portion or all hardwood cellulose fibres are never-dried hardwood cellulose pulp fibres.

15. A stack according to any one of the preceding claims, the tissue paper product being for personal hygiene, such as toilet paper, hand wipes, paper napkins, facial wipes, handkerchiefs or the tissue paper product being a kitchen towel or industrial wipe.