We claim:

1. A two part polyurethane and/or polyurethane polyurea hybrid based system for making an elastomeric and/or plastic like material, comprising an Iso part having low free monomer and an amine/polyol part, wherein the Iso part comprises an MDI based pre-polymer with low free MDI monomer and capped with isocyanate groups from a second relatively higher vapor pressure isocyanate, wherein the pre-polymer has less than about 0.3% total free monomer and an NCO% in the range of about 0.1 to about 10%.

2. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 1, wherein said second relatively higher vapor pressure isocyanate is toluene diisocyanate.

3. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claims 1 or 2, wherein the pre-polymer contains substantially no free MDI monomer.

4. A two part polyurethane and/or polyurethane polyurea hybrid based system according to any of claims 1 - 3, wherein the pre-polymer has an NCO% in the range of about 0.5 to about 5%.

5. A two part polyurethane and/or polyurethane polyurea hybrid based system according to 4, wherein the pre-polymer has an NCO% in the range of about 1 to about 4%.

6. A two part polyurethane and/or polyurethane polyurea hybrid based system according to any of claims 1-5, wherein the amine/polyol part comprises at least one polyol chosen from polyester and/or polyether polyols.

7. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 6, wherein the at least one polyol chosen from polyester and/or polyether polyols is a branched polyester and polyether based polyol.

8. A two part polyurethane and/or polyurethane polyurea hybrid based system according to any of 6 or 7, wherein the amine/polyol part further comprises a secondary amine.

9. A two part polyurethane and/or polyurethane polyurea hybrid based system according to any of claims 1-8, wherein the Iso part further comprises an HDI trimer.

10. A coating composition comprising the two part polyurethane system according to any of claims 1-9.

11. Use of a two part polyurethane and/or polyurethane polyurea hybrid based system according to any one of claims 1-9.

We claim:

1. A two part polyurethane and/or polyurethane polyurea hybrid based system for making an elastomeric and/or plastic like material, comprising an Iso part and an amine/polyol part, wherein the Iso part comprises a methylene diphenylmethane diisocyanate (MDI) based pre-polymer capped with isocyanate groups from toluene diisocyanate (TDI), wherein the pre-polymer has less than about 0.3% total free monomer and an NCO% in the range of about 0.1 to about 10%.

2. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 1 wherein the pre-polymer contains substantially no free MDI monomer.

3. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 1 wherein the pre-polymer has an NCO% in the range of about 0.5 to about 5%.

4. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 3, wherein the pre-polymer has an NCO% in the range of about 1 to about 4%.

5. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 1 wherein the amine/polyol part comprises at least one polyol chosen from polyester and/or polyether polyols.

6. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 5, wherein the at least one polyol chosen from polyester and/or polyether polyols is a branched polyester and polyether based polyol.

7. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 5, wherein the amine/polyol part further comprises a secondary amine.

8. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 1 wherein the Iso part further comprises an HDI trimer.

9. A coating composition comprising the two part polyurethane system according to claim 1.

10. A two part polyurethane and/or polyurethane polyurea hybrid based system according to claim 6 wherein the amine/polyol part further comprises a secondary amine.