CLAIMS

1. Glass sheet having an enamel-based coating provided on at least one surface of said sheet, which is in direct contact with said sheet and which comprises :

- a glass frit,
- inorganic pigments, and
- organic compounds comprising at least one cross-linked compounds,

characterized in that said coating extends over more than 90% of the surface of the glass sheet and comprises between 11 and 25 % of organic compounds, expressed in weight percentage, and exhibits a xylene resistance of at least 100 double rubs, as measured using the Solvent Resistance Rub Test according to ASTM D5402-06 (2011) as modified therein.

2. Glass sheet according to one of the preceding claims, characterised in that said coating exhibits a xylene resistance of at least 150 double rubs.

3. Glass sheet according to claims 2 to 4, characterized in that the coating has a softening temperature of at least 20°C.

4. Glass sheet according to any preceding claim, characterized in that the organic compounds comprises at least one compound selected from the following: polyols, alkyds, acrylics, polyacrylics, polyacrylates, polymethacrylates, acrylamides, melamine, aldehydes derivatives, polycarbonates, stryrenes, vinyl acrylics, urethanes, polyurethanes, polyesters, polyolefins, urethane alkyds, polyurea, amino resins, polyamides, epoxides, epoxy esters, phenolic resins, silicone resins, PVC, PVB, aqueous resins and reaction products of the aforementioned compounds.

5. Glass sheet according to any preceding claim, characterized in that the at least one cross-linked compound is selected from the following: polyols, alkyds, acrylics, polyacrylics, polyacrylates, polymethacrylates, acrylamides, melamine, aldehydes derivatives, polycarbonates, stryrenes, vinyl acrylics, urethanes, polyurethanes, polyesters, polyolefins, urethane alkyds, polyurea, amino resins, polyamides, epoxides, epoxy esters, phenolic resins, silicone resins, PVC, PVB, aqueous resins and reaction products of the aforementioned compounds.

6. Glass sheet according to any preceding claim, characterized in that the thickness of the coating is in the range from 10 to 200 µm.

7. Glass sheet according to preceding claim, characterized in that the thickness of the coating is in the range from 15 to 100 µm.

8. Glass sheet according to any preceding claim, characterized in that the glass sheet comprises an additional coating, coated above the enamel coating, further from the glass sheet.

9. Glass sheet according to any preceding claim, characterized in that the glass sheet is heat treatable.

CLAIMS

1. Glass sheet having an enamel-based coating provided on at least one surface of said sheet, which is in direct contact with said sheet and which comprises:

- a glass frit,
- inorganic pigments, and
- organic compounds comprising at least one cross-linked compounds,

characterized in that said coating extends over more than 90% of the surface of the glass sheet and comprises between 11 and 25 % of organic compounds, expressed in weight percentage, and the coating with liquid enamel composition when cured , i.e. dried and cross-linked, exhibits a xylene resistance of at least 100 double rubs, as measured using the Solvent Resistance Rub Test according to ASTM D5402-06 (2011) as modified therein.

2. Glass sheet according to one of the preceding claims, characterized in that said coating exhibits a xylene resistance of at least 150 double rubs.

3. Glass sheet according to claims 2, characterized in that the coating has a softening temperature of at least 20°C.

4. Glass sheet according to any preceding claim, characterized in that the organic compounds comprises at least one compound selected from the following: polyols, alkyds, acrylics, polyacrylics, polyacrylates, polymethacrylates, acrylamides, melamine, aldehydes derivatives, polycarbonates, stryrenes, vinyl acrylics, urethanes, polyurethanes, polyesters, polyolefins, urethane alkyds, polyurea, amino resins, polyamides, epoxides, epoxy esters, phenolic resins, silicone resins, PVC, PVB, aqueous resins and reaction products of the aforementioned compounds.

5. Glass sheet according to any preceding claim, characterized in that the at least one cross-linked compound is selected from the following: polyols, alkyds, acrylics, polyacrylics, polyacrylates, polymethacrylates, acrylamides, melamine, aldehydes derivatives, polycarbonates, stryrenes, vinyl acrylics, urethanes, polyurethanes, polyesters, polyolefins, urethane alkyds, polyurea, amino resins, polyamides, epoxides, epoxy esters, phenolic resins, silicone resins, PVC, PVB, aqueous resins and reaction products of the aforementioned compounds.

6. Glass sheet according to any preceding claim, characterized in that the thickness of the coating is in the range from 10 to 200 μm.

7. Glass sheet according to preceding claim, characterized in that the thickness of the coating is in the range from 15 to 100 μm.

8. Glass sheet according to any preceding claim, characterized in that the glass sheet comprises an additional coating, coated above the enamel coating, further from the glass sheet.

9. Glass sheet according to any preceding claim, characterized in that the glass sheet is heat treatable.