What is claimed is:

1. A moisture-reactive composition comprising:

a moisture-reactive organometallic compound comprising Al, Mg, Zn, Ti or Zr; and

a polymer having a molecular weight of from 500 to 5,000,000, the polymer comprising carboxylic acid groups and selected from the group consisting of:

(a) an acrylic polymer comprising one or more acrylic monomers selected from the group consisting of (meth)acrylic acid; styrene; α-methylstyrene; 2-ethylhexyl (meth)acrylate; n-octyl (meth)acrylate; lauryl (meth)acrylate; stearyl (meth)acrylate; isobornyl (meth)acrylate; dicyclopentanyl (meth)acrylate; phenoxyethyl (meth)acrylate; polyethylene glycol (meth)acrylate; polypropylene glycol (meth)acrylate; N-methylol (meth)acrylamide; N-methoxymethyl (meth)acrylamide; N-ethoxymethyl (meth)acrylamide; N-n-butoxymethyl (meth)acrylamide; N-isobutoxymethyl (meth)acrylamide; t-butyl (meth)acrylamide; octyl (meth)acrylamide; acryloyl morpholine; N-vinyl pyrrolidone; N,N-dimethyl (meth)acrylamide; N,N-diethyl (meth)acrylamide; N-(2-hydroxyethyl) (meth)acrylamide; and N,N-dimethylaminopropyl (meth)acrylamide;

(b) a silicone;

(c) polyether; and

(d) a hydrogenated polyolefin.

2. The moisture-reactive composition according to claim 1, wherein the acrylic polymer consists essentially of 2-ethylhexyl acrylate and acrylic acid.

3. The moisture-reactive composition according to claim 1, wherein the polyether comprises polyoxyethylene having terminal carboxyl groups.

4. The moisture-reactive composition according to claim 1, wherein the hydrogenated polyolefin comprising a carboxyl group comprises hydrogenated polybutadiene having terminal carboxyl groups.

5. The moisture-reactive composition according to claim 1, wherein the moisture-reactive organometallic compound comprises trimethylaluminum, triethylaluminum, trioctylaluminum, tris(triethylene glycol monobutylether oxy)aluminum, or triisostearyloxy aluminum.

6. The moisture-reactive composition according to claim 1, wherein the composition further comprises silica, titanium oxide, zinc oxide, aluminum oxide, zirconium oxide, or clay.

7. The moisture-reactive composition according to claim 1, wherein the composition further comprises a compound having no hydroxyl groups.

8. The moisture-reactive composition according to claim 7, wherein the compound having no hydroxyl group comprises polydimethylsiloxane or a polymer consisting essentially of 2-ethylhexylacrylate.

9. The moisture-reactive composition according to claim 1, wherein the composition is transparent.

10. A moisture-absorbing film formed of the moisture-reactive composition according to claim 1.

11. A moisture-absorbing film formed of the moisture-reactive composition according to claim 1, wherein the moisture-absorbing film has a frequency of bending of greater than 10.

12. An organic electroluminescent device comprising:

a laminate comprising an organic luminescent material layer made of an organic material interposed between a pair of electrodes facing each other;

a structure which shields the laminate from the outside air; and

a moisture-reactive composition disposed within the structure, the moisture-reactive composition according to claim 1.

13. The organic electroluminescent device of claim 12, wherein the moisture-reactive composition covers one of the electrodes.

14. The organic electroluminescent device of claim 12, further comprising an adhesive, wherein the moisture-reactive composition and the adhesive cover the laminate.

CLAIMS

1. A moisture-reactive composition comprising:

a moisture-reactive organometallic compound comprising Al, Mg, Zn, Ti or Zr; and

a polyoxyethylene polymer having terminal carboxyl groups and a molecular weight of from 500 to 5,000,000.

2. The moisture-reactive composition according to claim 1, wherein the moisture-reactive organometallic compound comprises trimethylaluminum, triethylaluminum, trioctylaluminum, tris(triethylene glycol monobutylether oxy)aluminum, or triisostearyloxy aluminum.

3. The moisture-reactive composition according to claim 1, wherein the composition further comprises silica, titanium oxide, zinc oxide, aluminum oxide, zirconium oxide, or clay.

4. The moisture-reactive composition according to claim 1, wherein the composition further comprises a compound having no hydroxyl groups.

5. The moisture-reactive composition according to claim 4, wherein the compound having no hydroxyl group comprises polydimethylsiloxane or a polymer consisting essentially of 2-ethylhexylacrylate.

6. The moisture-reactive composition according to claim 1, wherein the composition is transparent.

7. A moisture-absorbing film formed of the moisture-reactive composition according to claim 1.

8. A moisture-absorbing film formed of the moisture-reactive composition according to claim 1, wherein the moisture-absorbing film has a frequency of bending of greater than 10.

9. An organic electroluminescent device comprising:

a laminate comprising an organic luminescent material layer made of an organic material interposed between a pair of electrodes facing each other;

a structure which shields the laminate from the outside air; and

a moisture-reactive composition disposed within the structure, the moisture-reactive composition according to claim 1.

10. The organic electroluminescent device of claim 9, wherein the moisture-reactive composition covers one of the electrodes.

11. The organic electroluminescent device of claim 9, further comprising an adhesive, wherein the moisture-reactive composition and the adhesive cover the laminate.

12. A moisture-reactive composition comprising:

a moisture-reactive organometallic compound comprising Al, Mg, Zn, Ti or Zr; and

an acrylic polymer having a molecular weight of from 500 to 5,000,000 and consisting essentially of 2-ethylhexyl acrylate and acrylic acid.

13. The moisture-reactive composition according to claim 12, wherein the moisture-reactive organometallic compound comprises trimethylaluminum, triethylaluminum, trioctylaluminum, tris(triethylene glycol monobutylether oxy)aluminum, or triisostearyloxy aluminum.

14. The moisture-reactive composition according to claim 12, wherein the composition further comprises silica, titanium oxide, zinc oxide, aluminum oxide, zirconium oxide, or clay.

15. The moisture-reactive composition according to claim 12, wherein the composition further comprises a compound having no hydroxyl groups.

16. The moisture-reactive composition according to claim 15, wherein the compound having no hydroxyl group comprises polydimethylsiloxane or a polymer consisting essentially of 2-ethylhexylacrylate.

17. The moisture-reactive composition according to claim 12, wherein the composition is transparent.

18. A moisture-absorbing film formed of the moisture-reactive composition according to claim 12.

19. A moisture-absorbing film formed of the moisture-reactive composition according to claim 12, wherein the moisture-absorbing film has a frequency of bending of greater than 10.

20. An organic electroluminescent device comprising:

a laminate comprising an organic luminescent material layer made of an organic material interposed between a pair of electrodes facing each other;

a structure which shields the laminate from the outside air; and

a moisture-reactive composition disposed within the structure, the moisture-reactive composition according to claim 12.

21. The organic electroluminescent device of claim 20, wherein the moisture-reactive composition covers one of the electrodes.

22. The organic electroluminescent device of claim 20, further comprising an adhesive, wherein the moisture-reactive composition and the adhesive cover the laminate.