~~*It is claimed:*~~**Claims**

~~1. A waterproofing membrane, comprising: a carrier sheet layer having two major faces; a waterproofing adhesive layer attached against a major face of the carrier sheet layer; and, disposed against or partially embedded within the waterproofing adhesive layer, a particle layer comprising synthetic polymer granules.~~

~~2. The waterproofing membrane of claim 1 wherein 25% to 100% of the total area of the waterproofing adhesive layer of the waterproofing membrane is covered by synthetic polymer granules.~~

~~3. The waterproofing membrane of claim 1 wherein 45% to 100% of the total area of the waterproofing adhesive layer is covered by synthetic polymer granules.~~

~~4. The waterproofing membrane of claim 1 wherein 65% to 100% of the total area of the waterproofing adhesive layer is covered by synthetic polymer granules.~~

~~5. The waterproofing membrane of claim 1 wherein the synthetic polymer granules are made from polymers selected from the group consisting of polyolefin (e.g., polyethylene, polypropylene, or mixture thereof), polyethylene oxide, polypropylene glycol, polyvinyl acetate, ethylene-vinyl acetate copolymer, acrylic acid homo-polymers or copolymers, acrylate homo-polymers or copolymers, acrylic acid/acrylic ester copolymer, olefin/acrylic acid copolymer, olefin/acrylate copolymer, maleic anhydride/acrylic acid copolymer, styrene copolymers such as styrene/acrylic copolymer and styrene/acrylate copolymer, maleic anhydride copolymers such as styrene/maleic anhydride copolymer, maleic anhydride/olefin copolymer, vinyl acetate/maleic anhydride copolymers; tackifying resin such as rosin resin or modified rosin resin, terpene resin or modified terpene resin, petroleum tackifying resin including C5/C9 hydrocarbon resin; natural rubbers or synthetic rubbers such as styrene and butadiene copolymer (SBR), polyisobutylene (PIB), polyisoprene (IR), copolymer of isobutylene with isoprene, neoprene, acrylonitrile butadiene copolymers, ethylene propylene rubber, polyurethane rubber, chlorinated polyethylene, or a combination of above mentioned polymers.~~

~~6. The waterproofing membrane of claim 1 wherein the synthetic polymer granules are made from polymers selected from the group consisting of polyvinyl acetate, acrylate, polystyrene, and styrene copolymers.~~

~~7. The waterproofing membrane of claim 6 wherein the synthetic polymer granules are formed through suspension polymerization.~~

~~8. The waterproofing membrane of claim 1 wherein the synthetic polymer granules comprise polymethylmethacrylate copolymer, and further wherein the waterproofing adhesive comprises styrene-isoprene-styrene block copolymer.~~

~~9. The waterproofing membrane of claim 1 wherein the synthetic polymer granules comprise polyvinylacetate copolymer, and further wherein the waterproofing adhesive comprises styrene-isoprene-styrene block copolymer.~~

~~10. The waterproofing membrane of claim 1 wherein the synthetic polymer granules have an average diameter of 100 to 600 µm.~~

~~11. The waterproofing membrane of claim 1 wherein the synthetic polymer granules are formed by coating inorganic particles with a synthetic polymer material.~~

~~12. The waterproofing membrane of claim 1 wherein the synthetic polymer granules are formed by grinding an article made of synthetic polymer into smaller size particles.~~

~~13. The waterproofing membrane of claim 1 wherein the synthetic polymer granules have a spherical shape.~~

~~14. The waterproofing membrane of claim 1 further comprising a protective coating layer disposed against the waterproofing adhesive layer or a protective coating layer over the synthetic particulate layer.~~

~~15. The waterproofing membrane of claim 1, wherein the waterproofing adhesive layer and carrier layer extend beyond the particle layer of synthetic polymer granule along side edges of the membrane; the membrane further having release liner strips removable attached to the waterproofing adhesive layer so that the membrane can be rolled up and unrolled without the waterproofing adhesive layer sticking to the back of the carrier layer when the membrane is rolled up.~~

~~16. A waterproofing membrane, comprising: a carrier sheet layer having two major faces; a waterproofing adhesive layer attached against a major face of the carrier sheet layer; and, disposed against or partially embedded within the waterproofing adhesive layer, a particle layer comprising synthetic polymer granules comprising polymethylmethacrylate, the polymer granules having an average diameter of 100 to 600 µm and having a round shape.~~

~~17. The waterproofing membrane of claim 16 wherein the polymer granules are formed through suspension polymerization.~~

~~18. The waterproofing membrane of claim 16 wherein the synthetic polymer particles are formed by coating a polymer over an inorganic material.~~

~~19. The waterproofing membrane of claim 16 wherein pressure sensitive adhesive portions along side edges of the membrane are devoid of the synthetic polymer particles, and a strip release liner is used to prevent the adhesive from sticking to the carrier film when the membrane is rolled up.~~

~~20.~~1. A method comprising casting concrete against the particle layer comprising synthetic polymer granules of ~~the membrane of~~ a waterproofing membrane, comprising: a carrier sheet layer having two major faces; a waterproofing adhesive layer attached against a major face of the carrier sheet layer; and, disposed against or partially-embedded within the waterproofing adhesive layer, a particle layer comprising synthetic polymer granules~~claim 1~~.

~~21.~~2. A waterproofed assembly comprising concrete cast against the particle layer comprising synthetic polymer granules of a waterproofing membrane, comprising: a carrier sheet layer having two major faces; a waterproofing adhesive layer attached against a major face of the carrier sheet layer; and, disposed against or partially-embedded within the waterproofing adhesive layer, a particle layer comprising synthetic polymer granules~~the membrane of claim 1~~.