CLAIMS

1. A formwork for concrete forming, comprising:

a water-repellent layer having a contact angle to water of 130° or larger on at least a part of a formwork surface, wherein the water-repellent layer comprises a porous layer, the porous layer comprising hydrophobic oxide fine particles.

2. The formwork for concrete forming according to claim 1, wherein the water-repellent layer has a contact angle to water of 150° or larger, wherein the water-repellent layer comprises a porous layer, the porous layer comprising hydrophobic oxide fine particles.

~~3. The formwork for concrete forming according to claim 1 or 2, wherein the water-repellent layer comprises a porous layer, the porous layer comprising hydrophobic oxide fine particles.~~

~~4~~3. A formwork for concrete forming, comprising:

a porous layer formed from hydrophobic oxide fine particles over at least a part of a formwork surface.

~~5~~4. The formwork for concrete forming according to claim 3 ~~or 4~~, wherein an average primary particle diameter of the hydrophobic oxide fine particles is 3 nm to 100 nm.

~~6~~5. The formwork for concrete forming according to ~~any one of~~ claim~~s~~ 3 ~~to 5~~or claim 4, wherein the hydrophobic oxide fine particles comprises a hydrophobic silica.

~~7~~6. The formwork for concrete forming according to claim ~~6~~5, wherein the hydrophobic silica comprises trimethylsilyl groups on the surface thereof.

~~8~~7. The formwork for concrete forming according to any one of claims 3 to ~~7~~6, wherein the porous layer comprises a

three-dimensional network structure.

~~9~~8. The formwork for concrete forming according to any one of claims 3 to ~~8~~7, comprising a filled particle containing layer arranged between the formwork surface and the porous layer.

~~10~~9. The formwork for concrete forming according to any one of claims 3 to ~~9~~8, further comprising a basecoat layer arranged between the formwork surface and the porous layer.

~~11~~10. A method for producing the formwork for concrete forming according to any one of claims 3 to ~~10~~9, the method comprising:

providing a porous layer formed from hydrophobic oxide fine particles over at least a part of the formwork surface.

~~12~~11. A method for producing the formwork for concrete forming according to ~~any one of~~ claim~~s~~ 1 ~~to 3~~or claim 2, the method comprising:

providing a water-repellent layer on at least a part of the formwork surface.

~~13~~12. A concrete produced by using the formwork for concrete forming according to any one of claims 1 to ~~10~~9.