[CLAIMS]

What is claimed is:

1. A coating composition for an electrical steel sheet comprising:

an epoxy resin;

a first curing agent (A) including an alkylphenol; and

a second curing agent (B) including either one or both of a phenol resol resin and a phenol novolac resin,

wherein an amount of the first curing agent (A) is 1.0 part by mass to 20.0 parts by mass with respect to 100 parts by mass of the epoxy resin,

wherein an amount of the second curing agent (B) is 5.0 parts by mass to 150.0 parts by mass with respect to 100 parts by mass of the epoxy resin.

2. The coating composition for an electrical steel sheet according to claim 1,

wherein the alkylphenols include either one or both of a monoalkylphenol having an alkyl group with 2 to 20 carbon atoms and a dialkylphenol having an alkyl group with 2 to 20 carbon atoms.

3. The coating composition for an electrical steel sheet according to claim 1 or 2,

wherein a curing shrinkage rate is 15% or less.

4. The coating composition for an electrical steel sheet according to any one of claims 1 to 3,

wherein a mass ratio represented by (amount of the first curing agent (A))/(amount of the second curing agent (B)) is 0.01 to 4.0.

5. An electrical steel sheet comprising:

an insulating coating containing the coating composition for an electrical steel sheet according to any one of claims 1 to 4 on a surface.

6. A laminated core,

wherein a plurality of the electrical steel sheets according to claim 5 are laminated and caused to adhere together.

7. A rotary electric machine comprising:

the laminated core according to claim 6.