



Product composition

This series of products are environment-friendly products, which are composed of water-based resin, pigments, additives and water. The product does not contain benzene solvents and heavy metals, and has low odor, which meets the RoHS testing requirements of the European Union.

Product characteristics and uses

This product produces crosslinking reaction by baking water-based resin, forming a stable and solid three-dimensional polymer network structure, making the paint film hard, flat and smooth, with excellent adhesion, flexibility and insulation. This product is suitable for impregnating motors, electrical coils, etc.

This product has excellent quick-drying performance and electrical insulation performance, and belongs to class B insulation material. This product uses tap water as diluent. As an alternative product of solvent-based insulating paint, it is mainly used as impregnating insulating paint for transformers, ballasts, various types of coils, chargers, motors and other electrical products, and can also replace solvent-based enameled wire paint. Insulation level reaches H level.

Product technical quality index

project	index
Color and appearance	Original paint, the paint film is bright, transparent, flat and smooth.
Viscosity, (apply 4 cups /25℃)	S 30~40
Solid content%	35 ± 2
pH value	7.8~8.2
pencil hardness	$\geq H$
Adhesion level	≤ 1
Impact resistance kg/cm	Fifty
drying time	($130 \pm 2^\circ\text{C}$) min 30
volume resistivity	$\geq \omega \text{ cm} * \text{normal } 1 \times 10^{14}, 1 \times 10^{12} \text{ after 7 days of immersion.}$
Power frequency electrical appliance strength	$\geq \text{kv/mm} * \text{normal 70, 40 after 24 hours of immersion.}$
Note: those marked with * refer to the index parameters of similar oily insulating paints.	



Construction reference

This product adopts dip coating construction. Before dipping construction, pour the original paint into the tank, add about 20~30% clean tap water for dilution, completely immerse the workpiece for about 5 minutes, and then put the workpiece into the furnace for baking after standing and air-drying. Due to the different construction conditions and technologies of users, please carry out the construction under the guidance of our engineers.

Packaging and storage

200kg/ barrel. The storage period of this product is half a year, and it can still be used after passing the inspection. This product should be stored in a cool and dry place at 0-40℃. Storage and transportation according to non-dangerous goods.

statement

The information provided in this product manual is completely based on what we have learned in our laboratory and practice. However, because the use of products is usually beyond our control, we only guarantee the quality of the products themselves. We reserve the right to modify this instruction without prior notice. For more details, please check our website: www.towercoating.com.

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