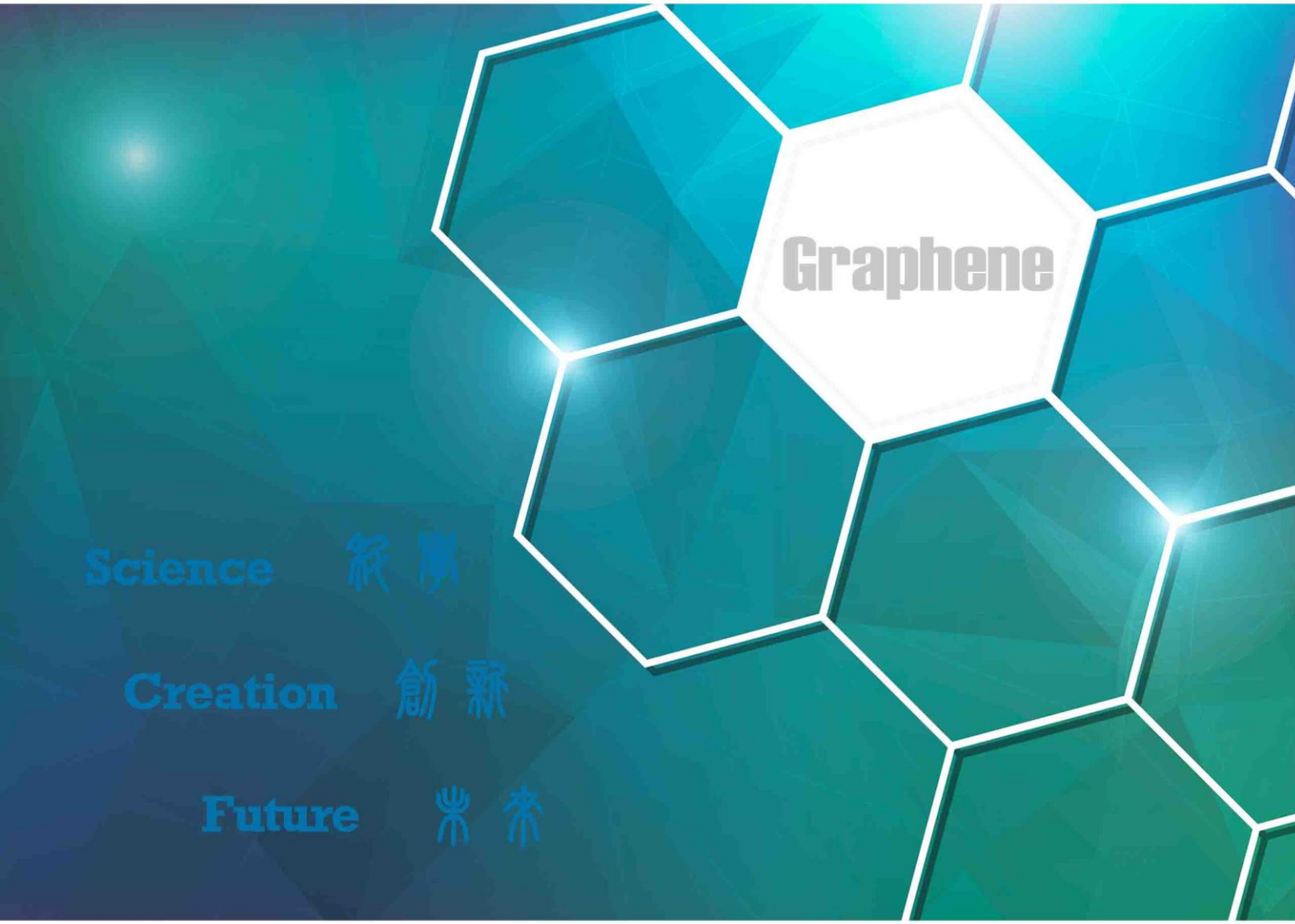
Nanotech

Graphene

Graphene Modified Anti-static Coating

Product manual



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Graphene modified anti-static coating

【Product Introduction】

Based with liquid epoxy resin, this product is a composite of (self-emulsion or solvent-free) epoxy firming agent, graphene conductive agent, pigments, paint additives, solvents and reactive diluent, and other raw and auxiliary materials. This waterborne epoxy conducting electrostatic coating is dedicated for green and ecological environment, and is a two-component function anticorrosive coating.

【Product Specifications】

TC－AGX4636(A/B)

【product features】

1. This product (TC－AGX4636) can be a solvent-free coating when solvent-free epoxy curing agent is used, or a waterborn coating when self-emulsifying epoxy is used. When the film dried, it will exhibit an excellent oil or hydrophobic performance.
2. This product contains graphene conductive agent, which greatly improves the antistatic effect and corrosion resistance of the coating.

【Recommended Use】

This product is mainly used in the internal anti-corrosion engineering field of oil storage tank, solvent storage tank, and oil pipelines. It can eliminate the static electricity generated by the friction between the liquid level and the pipe wall.

【Technical Data 】

The state in the container	Light color, uniform viscous liquid
viscosity（25℃，T-4#, s	≥60
Solid content，wt%	≥60
surface dry（23±2℃）h	≤2
dry hard（23±2℃）h	≤24
get right on the job（23±2℃）d	≤7
VOCs emission load，g/L	≤100

* according to iso 3233:1998 (E) standard.

【Operation Conditions and Instructions 】

Proportion (in quality): 4 (of group A) :1(of group B). Note: the ratio may change. It is subject to the ratio marked on the factory package label.

Mixing: mix 4 parts of component A (paint) and 1 part of component B (curing agent) evenly

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before use. Ripening time: 15 minutes. Thinner usage: use the active thinner for oil paint, and pure water for water-based paint.

【Recommendations For a complete set】

It is recommended to use a high-pressure airless spraying machinery:

Nozzle: 0.38-0.88mm; Spraying pressure: 150-160kg/cm2.

Traditional coating: it is recommended to use brush coating and roller coating when repairing small areas.

Tool cleaning: wash with water when the paint is wet. Wash the paint with a special thinner after tool is dried.

Construction conditions: when the temperature > 5 ℃, or humidity >65%, stop painting.

【Specifications】

Variables	Characteristics	Inspection Standard
Color and Appearance	Various	Visual Inspection
Adhesion Class	0	GB/T 9286-1998
suppleness，mm	1	GB/T 1731-1993
Impact Resistance，kg cm	50	GB/T 1732-1993
Water Resistance，90d	No Change	GB/T 1733-1988
Acid Resistance，90d	No Change	GB/T 9724-1988
Alkali Resistance，90d	No Change	GB/T 9724-1988
Oil Resistance，90d	No Change	GB/T 9724-1988
Surface Resistance，Ω	X $10^{6\sim9}$	GB/T 16906-1997
Salt Corrosion，1000h	Rust Level≤1 grade	GB/T 1771-2007

【Storage and Transportation】

This product is non-flammable and non-explosive, and is safe to transport. Stored it in ventilated, dry place, at temperature 0 to 40 ℃. The shelf life of this product is 12 months.

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