

Technical Data Sheet

Graphene Anti-Corrosion Coating V-IE10

V-IE10 is a high efficient graphene anti-corrosion coating designed for primer of metal or concrete structure. With optimized composition, the anti-corrosion coating shows outstanding adhesion strength to substrate and provides excellent mechanical performance.

Physical Property

- Appearance : Gray paint
- Resin : Epoxy
- Solid content : 65±3 wt%
- Hardness: ≥ 3H (JIS KS5600-5-4,load 750g)
- Adhesion: ≥ 350 psi (PosiTest AT-M)
- Viscosity : 100±30 cps(After mixing)
- Shelf Life : Sealed for 12 months @ 25 °C
- Usage for coating : ~8 m²/kg*

*Estimation based on plane structure and no guaranteed for irregular shape structure.

+ Viscosity: Brookfield HADV-I+ with Spindle #2 @ 30rpm

Recommended Operation Condition

- Settling of solid may occur and compositions should be thoroughly mixed prior to use.
- Mix carefully in case of bubbling during operation.

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Please note that partial of the analysis data are also conveniently available online at www.graphene.com.tw

- V-IE10_A: Main Coating; V-IE10_B: Hardener; V-IE10_C: Thinner
- Optimum A: B: Thinner = 5:1:3 with pot life of 8 hours.
- Recommended coating method : Spray & Brush coating
- Recommended thickness : 50~70 μm of dried film
- Curing condition : 18~24 hr @ room temperature
50 minutes @ 110 °C
- Steel with approved zinc silicate shop primer; weld seams and areas of damaged shop primer should be blast cleaned to ISO-Sa2½ .
- Clean up : Acetone
- Please wear protective clothes as well as installing full ventilation during the operation.

Storage

- Graphene paint should be stored in a clean, stable environment at room temperature with the lids tightly sealed.
- Storage in high temperature (>30 °C) or freezers (<0 °C) is NOT recommended.

Safety Issue

- Products are intended for use in an industrial environment by trained personnel. Please follow proper health/safety processes regarding storage, handling and processing of the products. For Safety and Handling information pertaining to this product, refer to Safety Data Sheet (SDS).

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Package

- The standard package is 6 KG. The main coating (V-IE10_A), hardener (V-IE10_B) and thinner (V-IE10_C) are packaged separately. It could be customized according to customers' requirement.



Graphage

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