



产 品 说 明 书  
**Product Instruction**

产品名称：  
水性环保三防漆

**Product Name:**  
Water-Based Environmentally Friendly  
Conformal Coating

产品型号：  
M888  
**Product Model:**  
M888

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## M888 水性环保三防漆

### M888 Water-Based Environmentally Friendly Conformal Coating

#### 产品描述:

##### Product Overview:

M888 水性三防漆是以环保理念研制的单组分自交联固化涂料，主要由水性聚氨酯树脂、水性助剂及去离子水组成。产品气味极低，不燃不爆，安全环保。固化后膜层光泽度高、附着力强、柔韧性好，并具有优良的耐溶剂性能。本剂可常温自干，烘烤固化效果更佳，适用于涂刷和浸涂工艺，且不含荧光剂。适用于各类电子、电气产品的防潮、防霉及防腐蚀保护。

M888 is a single-component, self-crosslinking water-based conformal coating developed with environmental responsibility in mind. It is formulated primarily with waterborne polyurethane resin, water-based additives, and deionized water. The product has extremely low odor, is nonflammable and non-explosive, and offers safer, environmentally responsible handling. Once cured, it forms a high-gloss film with strong adhesion, good flexibility, and excellent solvent resistance. It can air-dry at room temperature, while oven curing provides enhanced results. M888 is suitable for brushing and dip-coating processes and contains no fluorescent agent. Suitable for moisture, mildew, and corrosion protection of a wide range of electronic and electrical products.

#### 性能指标:

##### Performance Specifications:

- 外观：半透明液体
- 粘度：120 ± 30 cP
- 稀释剂：去离子水
- 25°C干燥时间：触干 60 min；室温放置 7 天达到最佳性能
- 80°C干燥时间：触干 ≤10 min；实干 3-5 h
- 推荐固化条件：80°C烘烤 3-10 min，然后室温放置干燥
- 不挥发物含量：30 ± 2%
- 介质耐压：>1,500 V
- 介电常数：2.6
- 绝缘阻抗 (MIL-46058C)：>2 × 10<sup>12</sup> Ω
- 防潮性能 (MIL-46058C)：>5 × 10<sup>9</sup> Ω
- Appearance: Translucent liquid
- Viscosity: 120 ± 30 cP
- Thinner: Deionized water
- Drying at 25°C: Touch dry in 60 minutes; optimum properties after 7 days at room temperature
- Drying at 80°C: Touch dry in ≤10 minutes; fully dry in 3-5 hours
- Recommended Curing: Heat at 80°C for 3-10 minutes, followed by drying at room temperature
- Non-Volatile Content: 30 ± 2%
- Dielectric Withstand Voltage: >1,500 V
- Dielectric Constant: 2.6
- Insulation Resistance (MIL-46058C): >2 × 10<sup>12</sup> Ω
- Moisture Resistance (MIL-46058C): >5 × 10<sup>9</sup> Ω

注：以上数据为实验室条件下室温放置 7 天后的测试结果，仅供参考。实际应用时，请根据不同产品的具体要求进行验证。

Note: The above values are laboratory test data obtained after 7 days at room temperature and are provided for reference only. Verify performance under the actual requirements of the intended product and process.

#### **使用工艺：**

##### **Application Procedure:**

1. 涂覆前，确保被涂表面干燥、干净，无油污、无杂质。
  2. 本品适用于涂刷和浸涂工艺。可根据施工要求加入去离子水，调整工作粘度及漆膜厚度。
  3. 本品属于自交联固化体系。已使用的三防漆不得倒回原包装桶中，以免影响未使用产品的稳定性。
  4. 性能测试应在漆膜完全干燥后进行；室温放置条件下，建议 7 天后测试。
  5. 在 PCB 板上使用时，建议先对线路板进行清洗，并确保完全干燥后再涂覆。
1. Before coating, ensure that the surface is dry, clean, and free of oil and other contaminants.
  2. M888 is suitable for brushing and dip coating. Add deionized water as required to adjust the working viscosity and film thickness for the selected application process.
  3. This product cures through self-crosslinking. Do not return used coating to the original container, as this may affect the stability of unused material.
  4. Perform performance testing only after the coating is fully dry. When cured at room temperature, testing after 7 days is recommended.
  5. For PCB applications, clean the circuit board first and ensure that it is completely dry before coating.

#### **包装、储运及保质期：**

##### **Packaging, Storage, Transportation and Shelf Life:**

- 包装：

4L/桶、20L/桶

- 储运：

请远离火源、热源，按法规搬运。

本产品存储和使用过程中，禁止太阳光、紫外光照射漆液，存放于阴凉通风处，存储温度应低于 25℃。使用过程中产品不宜长时间密闭静置，适当流动搅拌有利于延长存储时间。

- 保质期：

密闭保存，存储温度应低于 25℃，保质期为 6 个月

- Packaging:

4 L/pail; 20 L/drum.

- Storage and Transportation:

Keep away from ignition sources and heat. Handle in accordance with applicable regulations.

During storage and use, protect the coating from sunlight and ultraviolet light. Store in a cool, well-ventilated area at temperatures below 25°C.

During use, avoid leaving the product sealed and undisturbed for extended periods. Periodic circulation or stirring can help extend its storage life.

- Shelf Life:

Six months when stored in sealed containers below 25°C.

**安全操作须知：****Safe Handling Instructions:**

安全使用须知不在此列出，操作前请阅读本产品的化学品安全说明书（MSDS），可从本公司业务专员处获得。

Safety instructions are not listed in this document. Before operation, please read the Material Safety Data Sheet (MSDS) of this product, which can be obtained from our sales representative.

**温馨提示：****Please Note:**

- 由于我们的产品会持续优化和改进，本手册中的相关信息可能会根据实际情况进行调整，不另行通知。如需获取最新版本或了解更多信息，欢迎随时联系我们的销售团队。
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- As our products are continuously improved, the information in this manual may be updated from time to time without prior notice. Please feel free to contact our sales team for the latest version.
- Do not mix this product with other products.
- We strictly control product quality and supply products in accordance with applicable product standards. Custom products are supplied according to mutually agreed specifications. Application conditions vary and are beyond our control. Users should therefore test and evaluate the product and the information provided in this manual and the recommended application procedures to determine suitability for their specific use.