

防火门胶粘剂

Fire-Door Adhesive

>> MPU-20

产品简介 Product Description

MPU-20 是基于聚氨酯的单组份湿气固化胶粘剂,靠空气中及被粘物表面吸附的微量水份固化,固化后胶层不溶不熔,具有性能优越、施工方便、耐高低温等特点。主要用于防火门门面板(镀锌/彩色钢板、不锈钢、木板)与防火芯材(珍珠岩板、岩棉、镁板、硅酸钙板、蛭石板)的粘接,广泛应用于钢质防火门、木质防火门、防盗门及防火装饰板制造。

MPU-20 is a single-component, moisture-cure polyurethane adhesive that cures with trace moisture from the air and the bonded surface; once cured, the glue line is insoluble and non-melting. It offers superior performance, easy application and high/low-temperature resistance. It bonds fire-door face skins (galvanized / color steel, stainless steel, wood) to fire-resistant cores (expanded perlite, rock wool, magnesium board, calcium-silicate board, vermiculite slab) — widely used for steel fire doors, wooden fire doors, security doors and fireproof decorative board.

技术参数 Technical Data

项目 Item	MPU-20
产品外观 Appearance	棕褐色粘稠液 / Dark brown viscous liquid
产品比重 Density	1.15 ± 0.05 g/cm ³
产品粘度 Viscosity	8000 ~ 9000 mPa · s (可调节 / adjustable)
固体含量 Solid content	94%
胶涂布量 Coating weight	120 ~ 160 g/m ²
表干时间 Surface-dry time	≤ 1 h

固化时间 Cure time	4 ~ 8 h (固化速度可按客户要求调节 / adjustable)
粘接强度 Bond strength	金属与金属 ≥ 15 MPa; 金属与非金属: 非金属破坏 Metal-metal ≥ 15 MPa; metal-non-metal: substrate fails before the bond
稀释 / 清洗 Dilution / cleanup	乙酸乙酯 / Ethyl acetate

■ 使用方法 Applications

1. 去除被粘物表面的油污或浮尘。Remove oil and dust from the surfaces to be bonded.
2. 用手工锯齿刮板刮胶,或用辊涂机单面涂胶。Apply single-side with a toothed scraper or a roller coater.
3. 为加快固化,可在胶面喷少量水雾。To accelerate curing, spray a little water mist onto the glue line.
4. 涂胶后即可复合叠起、加压固化。Lay up the boards, composite and press to cure.
5. 工具可用乙酸乙酯清洗。Tools can be cleaned with ethyl acetate.

注意事项: 每次用胶完毕,余胶胶桶应密封保存,防止湿气侵入导致上层胶液固化结皮; 长期不用应充氮气保存。

Note: After use, reseal the drum to keep moisture out; nitrogen-blanket for long-term storage.

■ 认证与合规 Certifications & Compliance

- 国家防火建筑材料质量监督检验中心《GB 8624-2006 型式检测报告》(九项指标均符合国家标准) / National fire type-test GB 8624-2006.
- 远东防火检测中心《低播焰试验报告》 / Low-flame-spread test report.
- 产烟毒性 ZA1 级 (GB/T 20285-2006) / Smoke toxicity grade ZA1.
- 国家涂料质量监督检验中心《无甲苯 / 无甲醛检测报告》 / Toluene-free & formaldehyde-free.
- 农业部冷库及制冷设备质量监督检测中心《检验报告》 / Cold-storage equipment test report.

■ 包装与储存 Packaging & Storage

包装 Packaging: 25 kg / 塑桶 (plastic drum) 、200 kg / 铁桶 (iron drum) 。

储存 Storage: 存放于一般室内仓库,密封防潮; 储存期 12 个月。Store in an ordinary indoor warehouse, sealed against moisture; shelf life 12 months.

安全防护 Health & Safety

遵循一般化学品防护措施。使用过程中保持工作场所通风,操作人员务必穿着防静电工作服、佩戴橡胶手套和防护眼镜;请勿在密闭环境下使用,长期接触建议佩戴自吸式防护面罩。本品粘及皮肤可用干布擦去后用肥皂水清洗;若溅入眼睛立即以大量清水冲洗并及时就医;如发生吸入或误食,请及时送医诊治。

Follow general chemical protective procedures. Keep the workplace ventilated; operators must wear anti-static clothing, rubber gloves and safety goggles. Do not use in airtight environments; a self-suction protective mask is recommended for chronic exposure. If it contacts skin, wipe off and wash with soap and water; if it enters the eyes, flush with plenty of water and seek medical attention; if inhaled or swallowed, seek medical treatment promptly.

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