

产品简介 Product Description

双组份聚氨酯层压胶粘剂, 专为 SIP 结构保温板及夹芯板生产线设计。将 EPS、XPS、PIR、PUR 等泡沫芯材与 OSB、钢板、镀锌/彩钢、铝板、镁板、水泥板等面板牢固粘接, 常用配比 4:1(可定制)。无增塑剂、无溶剂、低 VOC, 粘接强度高、耐高温可达 200°C, 适合中高产量连续/间歇式层压线。

A two-component polyurethane lamination adhesive engineered for SIP and sandwich-panel production lines. It bonds EPS, XPS, PIR and PUR foam cores to OSB, steel, galvanized / color steel, aluminum, MgO and cement-board facings at a common 4:1 ratio (customizable). Plasticizer-free, solvent-free and low-VOC, with high bond strength and heat resistance up to 200°C — suited to medium-to-high-volume continuous and discontinuous lamination lines.

技术参数 Technical Data

项目 Item	A 组份 Component A	B 组份 Component B
成分 Description	混合多元醇 / Blended polyol	多亚甲基多苯基异氰酸酯 / Polymeric MDI
外观 Appearance	淡黄色均匀液体 / Light-yellow homogeneous liquid	深棕色粘稠液 / Dark brown viscous liquid
混合比 Mixing ratio (W)	A : B = 4 : 1 (可定制 2:1、3:1 / customizable)	
拉伸剪切强度 Tensile shear	7 ~ 8 MPa	
涂布量 Coverage	100 ~ 250 g/m ² (单胶线 per glue line)	

开放时间 Open time	18 ~ 25 min (可调 tunable)
压合 / 可操作 Press / handling	30 ~ 90 min
完全固化 Full cure (20°C)	约 24 h
耐高温 Heat resistance	可达 200°C / Up to 200°C
特性 Features	无增塑剂、无溶剂、低 VOC / Plasticizer-free, solvent-free, low-VOC

■ 使用方法 Application

1. 清洁面板与芯材表面,去除油污、浮尘。Clean the facing and core surfaces — remove oil and dust.
2. 按 A : B = 4 : 1 精确计量,用计量混合机、管线静态混合器或人工称量充分混匀。Meter A : B = 4 : 1 accurately and mix thoroughly (meter-mix machine, inline static mixer or accurate manual batching).
3. 用辊涂机 / 刮板均匀涂布 100~250 g/m²(单面或双面)。Roller- or spreader-coat evenly at 100–250 g/m² (single- or double-side).
4. 在开放时间(18~25 min)内复合芯材与面板。Lay up core and facing within the 18–25 min open time.
5. 加压 30~90 min 获得操作强度;20°C 下约 24 h 完全固化。Press 30–90 min for handling strength; full cure in ~24 h at 20°C.

注:开放时间与粘度可按产线速度定制; 低于 15°C 车间可选用冷固化型号。

Note: open time and viscosity are customizable to line speed; cold-cure grades are available for plants below 15°C.

■ 包装与储存 Packaging & Storage

包装 Packaging: 20 kg 桶、200 kg 桶及 IBC (A、B 组份按 4:1 配套)。

储存 Storage: 阴凉、干燥、密封存放; 聚氨酯对湿气敏感,桶口随用随封; 储存期约 6 个月。Store cool, dry and sealed; PU is moisture-sensitive — keep drums closed; shelf life about 6 months.

■ 安全防护 Health & Safety

遵循一般化学品防护措施:保持工作场所通风,操作人员佩戴橡胶手套和防护眼镜。B 组份(异氰酸酯)避免吸入

与皮肤接触。如溅入眼睛,立即用大量清水冲洗并就医;如吸入或误食,及时送医。

Follow general chemical protective procedures: keep the workplace ventilated; wear rubber gloves and safety goggles. Avoid inhalation and skin contact with component B (isocyanate). If splashed in the eyes, flush with plenty of water and seek medical attention; if inhaled or swallowed, seek medical treatment promptly.

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