

Easy-Mix S 50 黄色



颜色醒目的灌封材料，不含溶剂，固化迅速，耐冲击，附着力强

WEICON Easy-Mix S 50 黄色是一款高效的灌封材料。它附着力强，固化迅速，因而亦可作为粘合剂使用。这款环氧树脂为半流体质地，可自流平，固化迅速且固化后耐冲击。该产品的可操作时间仅为4至5分钟，对金属、塑料、玻璃纤维增强型塑料、木材、玻璃、陶瓷、石材等材料具有出色的粘接强度。

在电子工业，该灌封材料可以作为电子部件、半导体组件等的保护层使用。它能够保护这些元件不受湿气、粉尘、污渍及机械负载所造成的负面影响。

Easy-Mix S 50 黄色可应用于各个领域，如电子工业的灌封操作、线缆的灌封、绝缘技术、金属制造、仪器仪表制造、通过及空调技术等。

该产品的黄色较为醒目，因而便于视觉检查。使用 Easy-Mix 胶枪能够方便该产品的操作。

技术参数

基础成分	环氧树脂，无填充
质地	半流体
颜色	黄色
重量混合比例（树脂/固化剂）	1:1
混合物密度	1.20 g/cm ³
温度为+20°C时的混合物密度	8.500 mPa·s
最大粘接缝隙	2 mm
操作温度	+10 至 +30 °C
固化温度	+6 至 +40 °C
温度为+20°C、混合物重量为10g时的可操作时间	4-5 分钟
达到初始强度（35%强度）所需时间	30 分钟
达到机械强度（50%强度）所需时间	1 h
达到最终强度（100%强度）所需时间	24 h
依据 DIN EN 1465，纯环氧树脂的平均强度为	
压力	9 Mpa
拉伸	40 Mpa

提示

本资料中列出的所有产品，其参数和建议是在实验室的测试结果及经验总结，不得被视为对产品特性的保证。由于每一个用的实际应用情况并不在我们的认知、控制及责任范围内，我们对这些信息并不承担任何义务。我们保证我们的产品符合并遵守我们销售条款中承诺的高品质、无瑕疵的要求。我们建议用户通过自行试验来论证其希望选用的产品是否完全符合预期。因用户未遵照指定的操作方法使用产品而造成损失的情况，用户将独自承担全部责任。

折弯	58 Mpa
弹性模量	2.000-2.500 Mpa
邵氏硬度 D	65
依据 DIN EN 1465，平均拉伸剪切强度为	
钢质表面 喷砂处理	20 N/mm ²
铝质表面 喷砂处理	19 N/mm ²
硬质PVC表面 粗糙处理	13 N/mm ²
线性收缩率	2,0 %
耐温性	-50 至 +80 °C

表面预处理

为确保粘接效果，待粘接的物体表面需干燥、清洁（可使用 WEICON 表面清洁剂进行清洁与去脂）。

操作

WEICON 易混合系列可通过产品附带的胶嘴，直接从胶瓶中挤出。将最初的5 cm弃置。粘接时只需要单侧涂胶。本资料中所提供的可加工时间是10毫升胶水在室温条件下的测试结果。若材料用量大于该数值，固化时间会缩短，这是由环氧树脂典型的热反应所致（放热反应）。更高的环境温度也会缩短固化时间（根据经验，以室温为基准，环境温度每增加10°C，可操作时间和固化时间将减半）。若温度低于16°C，则可操作时间和固化时间将被极大延长；温度低于5°C，则不会发生任何化学反应。

储藏

在室内恒温+20°C、干燥且未拆封的情况下，WEICON 环氧树脂可存放至少18个月。避免阳光直射。未遵循说明书指示，储藏期将缩短至6个月。环氧树脂很容易在低于5°C情况下结晶。温度大范围变化会加重结晶，冬季运输过程中经常出现这种状况。尽管这些影响可以通过加热产品至最高50°C（禁止明火）来缓解，但这对产品的操作、固化和技术特性仍会产生负面影响。WEICON 环氧树脂粘合剂的基础树脂成分（双酚A和F）经过精心配比，能有效减少特殊环境中结晶现象的产生。

安全与健康

使用 WEICON 产品时，需注意产品的物理性、安全性、毒性、生态性的详细参数以及我们 E-G 材料安全数据表（www.weicon.com）的具体信息。

包装

10651050 Easy-Mix S 50 黄色 50 ml

产品配件

10650005 易混合型胶嘴，
10653050 易混合型胶枪 D 50, D50
12955175 精密胶嘴，

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Easy-Mix S 50 yellow



Visual casting compound, solvent-free, fast-curing, shock-resistant, impact-resistant, high adhesive strength

WEICON Easy-Mix S 50 yellow is a highly reactive casting compound, which can also be used as an adhesive due to its high adhesive strength and fast cure. The epoxy resin system is viscous, self-levelling and cures fast and with high impact resistance. The casting compound shows high adhesive strength and a short pot life of 4-5 minutes. The compound adheres well to many different surfaces, such as metal, plastics, fibreglass-reinforced plastics, wood, glass, ceramic and stone.

The casting compound can be used in electrical engineering for protecting electronic components, semiconductors and building components. It protects components against moisture, dust and dirt as well as mechanical stresses.

Easy-Mix S 50 yellow is suitable for applications in many different areas, such as grouting works in electrical engineering and the electronics industry, for casting cable connections, for applications in the insulating technology, in metal construction, in tank and apparatus construction, in fittings and in ventilating and air-conditioning systems.

Due to its distinctive yellow colour, Easy-Mix S 50 yellow facilitates visual control. The casting compound is processed with the user-friendly Easy-Mix system.

Technical Data

Composition	epoxy resin, non-filled
Composition	viscous
Colour	yellow
Mixing ratio by weight (Resin / Hardener)	1:1
Density of the mixture	1,20 g/cm ³
Viscosity of the mixture at 20°C (+68°F)	8.500 mPa·s
Adhesive gap bridging up to max.	2 mm
Processing temperature	+10 to +30 °C
Curing temperature	+6 to +40 °C

Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

Pot-life at 20°C (+68°F) for 10ml material	4-5 min.
Handling strength (35% strength) after	30 min.
Capable of bearing mechanical loads (50% strength) after	1 h
Final strength (100%) after	24 h
Medium strength of the pure epoxy resin according to DIN EN 1465	
Pressure	9 Mpa
Pull	40 Mpa
Bending	58 Mpa
E-Modul	2.000-2.500 Mpa
Shore hardness D	65
Medium shear strength according to DIN EN 1465 at	
Steel sand blasted	20 N/mm ²
Alu sandblasted	19 N/mm ²
PVC hard-roughened	13 N/mm ²
Linear shrinkage	2,0 %
Temperature resistance	-50 to +80 °C

Surface pre-treatment

Clean and dry bonding surfaces are essential for flawless adhesive bonding (e.g. cleaning and degreasing with WEICON Surface Cleaner).

Processing

WEICON Easy-Mix products can be processed straight from the double cartridge by means of the included static mixer. Dismiss the first 5 cm of the adhesive bead. The adhesive is applied to just one side.

The specified pot life refers to a material batch of 10 ml at room temperature. Larger batch quantities will result in faster curing. Higher temperatures also reduce the pot life and curing time. (General rule: every increase by +10 °C above room temperature results in a decrease of the pot life and curing time by half). Temperatures below +16 °C increase the pot life and curing time significantly. From approx. +5°C and below, no reaction takes place.

Storage

When stored in unopened condition in a dry place at constant room temperature of approx. +20°C, WEICON Epoxy Adhesives have a shelf life of at least 18 months. Protect from direct sunlight. In case of non-observance of these storage instructions, the shelf life is reduced to 6 months. In general, epoxy resins tend to crystallise at temperatures below +5°C. This effect is increased by large temperature fluctuations, e.g. during transport especially in the winter months. This has a negative impact on processing, curing and technical data, it can, however, be reversed by heating the product (up to max. +50°C, no open flame). In WEICON Epoxy Adhesives, crystallisation is reduced by the careful choice and combination of base resins (bisphenol A and F).

Safety and health

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

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Technical Datasheet

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Available sizes:

10651050 Easy-Mix S 50 yellow 50 ml

Accessories:

10650005 Mixing Nozzles Easy-Mix, Quadro

10653050 Dispenser D 50, 50 ml

12955170 Dosing Tips, Size 0

12955175 Dosing Tips, Typ A Size 0,5

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