

聚氨酯 90 SF



快速固化，自流平，几乎无收缩

WEICON 聚氨酯 90 SF 是一款自流平质地、固化迅速的灌封材料，几乎无收缩。它不但固化迅速且具有出色的粘接能力，其极高的静态强度也是该产品的突出特性。

该产品尤其适用于高精度的灌封操作，如地面锚固、传感器、固定装置、镭射测量仪等。

聚氨酯 90 SF 对各种材料都具有良好的附着力，如金属、水泥、橡胶、木材、玻璃纤维等，可广泛应用于各个工业领域。

技术参数

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|--------------------------|-----------------------|
| 基础成分 | 聚氨酯 |
| 固化后的颜色 | 棕色 |
| 重量混合比例（树脂/固化剂） | 100:23 |
| 混合物密度 | 1,6 g/cm ³ |
| 树脂/固化剂在温度为 +25°C 时的粘度 | 5.500/200 mPa·s |
| 温度为 +25°C 时混合物的粘度 | 3.000 mPa·s |
| 温度为 +20°C 时的可操作时间 | 8 分钟 |
| 达到机械负载/形变所需时间 | 2-3 h |
| 达到最终强度（100%）所需时间 | 24 h |
| 依据 DIN EN 1465，平均拉伸剪切强度为 | |
| 钢质表面 喷砂处理 | 22 N/mm ² |
| 不锈钢，喷砂处理 | 25 N/mm ² |
| 钢质表面 镀锌处理 | 7 N/mm ² |
| 铝质表面 喷砂处理 | 14 N/mm ² |
| 断裂伸长率 ISO 37 | 1 % |
| 耐压（DIN EN ISO 604） | 110 Mpa |
| 折弯 | 100 Mpa |
| 邵氏硬度 D 依据 DIN EN ISO 868 | 90 |
| 收缩率 | 0,2 % |
| 热变形温度 | 52 °C |

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。

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耐温性

-60 至 +90°C °C

关于表面预处理的详细信息请参阅使用手册。

储藏

WEICON聚氨酯需室温、干燥储存。未拆封的包装从发货日期起计算，在+18°C至+25°C的温度环境下可至少储存6个月。拆封后的包装需在3个月内使用。

安全与健康

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

包装

10519005 聚氨酯 90 SF 0,55 kg

产品配件

10953001 处理抹刀,
10953003 处理抹刀,
10953010 不锈钢搅拌棒,
10953020 多功能刮铲 Flexy,

Urethane 90 SF



fast-curing, self-levelling, cures practically without shrinkage

WEICON Urethane 90 SF is a fast-curing and self-levelling casting compound, which cures practically without shrinkage. In addition to its high curing speed as well as high adhesive strength, it also shows permanently high static strength.

The compound is especially suitable for highly precise grouting works, like the casting of ground anchors, sensors, fixing devices or position markings for laser measurement.

Urethane 90 SF adheres to many different materials, such as metal, concrete, rubber, wood, fibreglass as well as many other materials, and it can be used in various areas of industry.

Technical Data

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|---|-----------------------|
| Base | polyurethane |
| Colour after curing | brown |
| Mixture (weight %) resin/hardener | 100:23 |
| Density of the mixture | 1,6 g/cm ³ |
| Viscosity at +25°C (+77°F) resin/hardener | 5.500/200 mPa·s |
| Viscosity of the mixture at 25°C (+77°F) | 3.000 mPa·s |
| Pot life at +20°C (+68°F) | 8 min. |
| High mechanical load capacity / detachable after | 2-3 h |
| Final strength (100%) after | 24 h |
| Medium shear strength according to DIN EN 1465 at | |
| Steel sand blasted | 22 N/mm ² |
| Sandblasted stainless steel | 25 N/mm ² |
| Galvanized steel | 7 N/mm ² |
| Alu sandblasted | 14 N/mm ² |
| Elongation at break according to ISO 37 | 1 % |
| Mean compressive strength (DIN EN ISO 604) | 110 Mpa |
| Bending | 100 Mpa |
| Shore hardness D DIN EN ISO 868 | 90 |

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.

| | |
|--------------------------|-----------------|
| Shrinkage | 0,2 % |
| Thermoforming resistance | 52 °C |
| Temperature resistance | -60 to +90°C °C |

Information on surface pre-treatment and processing can be found in the instruction manual.

Storage

Store WEICON Urethane at room temperature in a dry place. At temperatures from +18°C to +25°C, unopened containers have a shelf life of at 6 months as of the delivery date. Opened containers need to be used up within 3 months.

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.

Available sizes:

10519005 Urethane 90 SF 0,55 kg

Accessories:

10953001 Processing Spatula,
10953003 Processing Spatula,
10953010 Stirrer Stainless Steel,
10953020 Contour Spatula Flexy,