

聚氨酯 45



邵氏硬度: A 45

WEICON聚氨酯是一款双组分的聚氨酯产品，在室温条件下固化为类似橡胶的质地；它即使在-60°C条件下仍能保持柔韧。

WEICON聚氨酯可以粘附多种材料，如金属、混凝土、橡胶、木材、玻璃纤维等。它还可以作为弹性涂层与WEICON塑钢胶系列产品配合使用。

该产品对湿度的敏感度较低，因而能够用于较薄的涂层。除此之外，它的出色之处还表现在其极高的抗拉伸和抗撕扯强度。

技术参数

基础成分	聚氨酯
固化后的颜色	浅米色
重量混合比例（树脂/固化剂）	100:180
混合物密度	1,04 g/cm ³
树脂/固化剂在温度为 +25°C 时的粘度	5.000/500 mPa·s
温度为 +25°C 时混合物的粘度	1.500 mPa·s
温度为+20°C时的可操作时间	25 分钟
达到机械负载/形变所需时间	12 -20 h
达到最终强度（100%）所需时间	48* h
拉伸强度 ISO 37	3,5 MPa
断裂伸长率 ISO 37	1.450 %
断裂抗性	7,5 kN/m
邵氏硬度A	45
耐温性	-60至+90 °C
ISSA 编码	75.509.40
IMPA 编码	812961

表面预处理及产品操作信息详见使用说明。 *或室温24小时，70°C 温度4小时

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

10514005 聚氨酯 45 0,5 kg

产品配件

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

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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Urethane 45



Safety and health

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

Available sizes:

10514005 Urethane 45 0.5 kg

Accessories:

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

Shore hardness: A 45

WEICON Urethanes are 2-component polyurethanes that cure at room temperature to tough rubber-like materials, remaining flexible at temperatures down to even -60°C.

WEICON Urethanes adhere to a variety of materials such as metals, concrete, rubber, wood, fibreglass and many others. They are also suitable as flexible coatings in connection with WEICON Plastic Metal (epoxy) systems.

Due to their low sensitivity to humidity they can also be used for coatings in thin layers and have a remarkably high tensile and tear strength.

Technical Data

Base	Polyurethane
Colour after curing	light beige
Mixture (weight %) resin/hardener	100:180
Density of the mixture	1,04 g/cm ³
Viscosity at +25°C (+77°F) resin/hardener	5.000/500 mPa·s
Viscosity of the mixture at 25°C (+77°F)	1.500 mPa·s
Pot life at +20°C (+68°F)	25 min.
High mechanical load capacity / detachable after	12 -20 h
Final strength (100%) after	48* h
Tensile strength according to ISO 37	3,5 MPa
Elongation at break according to ISO 37	1.450 %
Resistance to further tearing	7,5 kN/m
Shore hardness A	45
Temperature resistance	-60 to +90 °C
ISSA-Code	75.509.40
IMPA-Code	812961

Information about surface pre-treatment and processing can be found in the manual. *or after 24 hours at room temperature + 4 hours 70°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.

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