

管道维修套装



专用于管道泄漏及破损时的紧急维修

该套装包含一支WEICON钢质修补胶棒、一卷纤维增强型修补胶带、一份安装操作说明书及一副防护手套。其中，修补胶带是由特殊的树脂浸渍过的，它与水接触即可激活，激活后方可使用。管道维修套装无需额外的工具即可操作，能完美修复管道的裂缝及裂孔。它的使用极其方便，附着力十分出色，具有极好的耐压性和耐化学性，耐高温至 +150°C，30分钟内即可完全固化并达到最终强度。无论是干燥亦或是湿润的表面，该产品均可适用；它甚至可以直接在水下操作。

修补胶带的特殊成分使其操作十分便捷，尤其适用于修补弯管或三通管的泄漏及一些不易触及的地方。它对各种材料均有极好的附着力，如不锈钢、铝、铜、PVC、聚乙烯、聚丙烯、各种塑料材质、玻璃纤维、水泥、陶瓷、橡胶等。



技术参数

技术参数：钢质修补胶棒	
基础成分	环氧树脂金属填充
质地	膏状
固化后的颜色	深灰色
体积混合比例（树脂/固化剂）	1:1
混合物密度	2,0 g/cm ³
最大粘接缝隙	15 mm
操作温度	+10 至 +35 °C
固化温度	+6 至 +40 °C
温度为+20°C、混合物重量为25g时的可操作时间	4 分钟
达到初始强度（35%强度）所需时间	10 分钟
达到机械强度（50%强度）所需时间	60 分钟
达到最终强度（100%强度）所需时间	24 h
抗压强度(依据 DIN 53281-83)	80 N/mm ²

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。

依据 DIN EN 1465，在+25°C 温度下，钢，喷砂处理：4.1 N/mm²
7天后的平均拉伸剪切强度为

邵氏硬度 D	75
导热系数	0,6 W/m·K
线性收缩率	<1 %
电阻率(依据 ASTM D 257)	5•10 ¹¹ Ohm/cm
介电强度(依据 ASTM D 149)	3,0 kV/mm
热膨胀系数	30-40 x 10 ⁻⁶ K ⁻¹
耐温性	-50至+120, 短时可达+150 °C
技术参数：修补胶带	
基础成分	聚氨酯
温度为+20°C时的可操作时间	3 - 5 分钟
达到初始强度（35%强度）所需时间	7 - 10 分钟
达到最终强度所需时间	30 分钟
拉伸强度	35 N/mm ²
耐压	150 bar
邵氏硬度D(ATSM D 1706)	70

表面预处理及产品操作信息详见使用说明。

储藏

WEICON 管道维修套装需在室温环境下干燥储藏。未拆封的包装在 +18 至 + 28 °C 可至少保存24个月。

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

10710001	管道维修套装 5/15 (5 cm x 1,5 m)
10710002	管道维修套装 5/35 (5 cm x 3,5 m)
10710003	管道维修套装 10/35 (10 cm x 3,5 m)
10710004	管道维修套装 12/100 (12,5 cm x 10 m)

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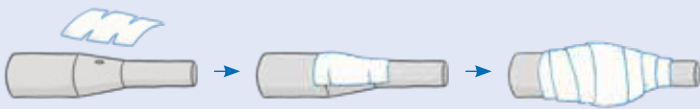
用量说明

该套装包含

- ▶ WEICON 钢质修补胶棒
- ▶ 玻璃纤维增强型修补胶带
- ▶ 操作手册
- ▶ 防护手套

缠绕圈数及胶带尺寸

直管的缠绕方式



弯管的缠绕方式



三通管的缠绕方式



管道直径	3.5巴 (50.76 psi) 缠绕10圈	10巴 (145.04 psi) 缠绕15圈	30巴 (435.11 psi) 缠绕20圈
	mm	(cm x m)	(cm x m)
12.5	1 (5x1.5)	1 (5x1.5)	1 (5x1.5)
19	1 (5x1.5)	1 (5x1.5)	1 (5x1.5)
25	1 (5x1.5)	1 (5x1.5)	1 (5x3.5)
32	1 (5x1.5)	1 (5x3.5)	1 (5x3.5)
38	1 (5x1.5)	1 (5x3.5)	1 (5x3.5)
50	1 (5x3.5)	1 (5x3.5)	1 (5x3.5)
63	1 (5x3.5)	1 (5x3.5)	2 (10x3.5)
75	1 (5x3.5)	1 (5x3.5)	2 (10x3.5)
88	1 (5x3.5)	2 (10x3.5)	2 (10x3.5)
100	1 (5x3.5)	2 (10x3.5)	2 (10x3.5)
125	2 (10x3.5)	2 (10x3.5)	3 (10x3.5)
150	2 (10x3.5)	2 (10x3.5)	1 (12.5x10)
200	2 (10x3.5)	1 (12.5x10)	2 (12.5x10)
250	3 (10x3.5)	2 (12.5x10)	2 (12.5x10)
300	1 (12.5x10)	2 (12.5x10)	2 (12.5x10)
350	2 (12.5x10)	2 (12.5x10)	3 (12.5x10)
400	2 (12.5x10)	2 (12.5x10)	3 (12.5x10)
450	2 (12.5x10)	3 (12.5x10)	3 (12.5x10)

Pipe Repair-Kit



The set is designed for the emergency repair of defective and damaged pipes and pipelines.

It comprises one WEICON Repair Stick Steel, a special repair tape made of fibreglass-reinforced plastic, assembly instructions and a pair of protective gloves.

The repair tape is impregnated with a special resin and activated by contact with water.

The Pipe Repair-Kit can be processed without any additional tools and is used for the reliable and permanent sealing of cracks and leaks. It is very easy and quick to use and shows excellent adhesive properties, high pressure and chemical resistance as well as temperature resistance up to 150°C. Within 30 minutes, the tape is fully cured and hard-wearing.

Due to the fabric properties of the tape, the resulting high flexibility and the simple processing, the repair kit is particularly suitable for sealing leaks in bends, T-pieces or in spaces difficult to access.

It can be used on many different surfaces such as stainless steel, aluminium, copper, PVC, many plastics, fibreglass, concrete, ceramics and rubber.



Technical Data

Technical Data Repair Stick Steel	
Base	epoxy resin steel-filled
Texture	pasty
Colour after curing	dark grey
Mixing ratio by volume resin/hardener	1:1
Density of the mixture	2,0 g/cm ³
Gap bridging max.	15 mm
Processing temperature	+10 to +35 °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.

Curing temperature	+6 to +40 °C
Polt life for 25gr preparation and +20°C (+68°F)	4 min.
Handling strength (35% strength) after	10 min.
Capable of bearing mechanical loads (50% strength) after	60 min.
Final strength (100%) after	24 h
Pressure (DIN 53281-83)	80 N/mm ²
Medium shear strength after 7 days at +20°C (+65°F) DIN EN 1465 at	steel sandblasted: 4,1 N/mm ²
Shore hardness D	75
Thermal conductivity (ASTM D 257)	0,6 W/m·K
Linear shrinkage	<1 %
Electrical resistivity (ASTM D 149)	5•10 ¹¹ Ohm/cm
Dielectric strength (ASTM D 149)	3,0 kV/mm
Thermal expansion coefficient (ISO 11359)	30-40 x 10 ⁻⁶ K ⁻¹
Temperature resistance	-50 to +120 briefly +150 °C

Technical Data Repair Tape

Base	Polyurethane
Pot life at +20°C (+68°F)	3 - 5 min.
Handling strength (35% strength) after	7 - 10 min.
Final hardness after	30 min.
Tensile strength	35 N/mm ²
Compressive strength	150 bar
Shore hardness D (ATSM D 1706)	70
Temperature resistance	to +150 °C

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

Storage

Store WEICON Pipe Repair-Kit at room temperature (but up to max. +25°C) in a dry place. Unopened containers can be stored for 24 months at temperatures from +18 to +25°C.

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:

10710001	Pipe Repair-Kit 5/15 (5 cm x 1,5 m)
10710002	Pipe Repair-Kit 5/35 (5 cm x 3,5 m)
10710003	Pipe Repair-Kit 10/35 (10 cm x 3,5 m)
10710004	Pipe Repair-Kit 12/100 (12,5 cm x 10 m)