

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

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,