

weber.rep 766

Epoxy resin mortar

2-comp. epoxy resin adhesive for bonding concrete and stainless steel

Fields of application

For bonding concrete, shaft components, concrete and reinforced concrete pipes, stainless steel. For use indoors and outdoors.

Description

weber.rep 766 is a solvent-free 2-component epoxy resin adhesive.

Composition

Epoxy resin, fillers

Main features

- high chemical resistance
- withstands high mechanical loads
- for permanent underwater areas
- weatherproof and frost-resistant
- watertight
- crack-free curing
- solvent-free
- for use indoors and outdoors

Technical values

Curing time:	approx. 24 hours
Application temperature (air and substrate):	+10°C - +30°C
Pot life:	approx. 45 minutes
Consistency:	non-sag
Mixing ratio:	comp. A (resin base) : comp. B (hardener) = 13.8 kg : 1 kg
Compressive strength (7 days):	> 50 N/mm ²
Flexural strength (7 days):	> 30 N/mm ²

Quality control

weber.rep 766 is subject to a regular quality control.

General notes

- All characteristics mentioned in this data sheet are given for a temperature of +20°C, without draught and a relative humidity rate of 70%.
 - The product is mechanically resistant after 24 hours and chemically resistant after 7 days.
 - In case of non-absorbent substrates in conjunction with dense coverings, the curing time is extended.
-

Special notes

- Do not add any foreign substances during mixing and application.
-

Substrate preparation

- The substrate must be thoroughly clean, free of all loose parts, dust and other adhesion-impairing particles and substances.
 - Remove oil and grease completely; if necessary, by mechanical means.
 - Do not add any foreign substances during mixing and application.
 - The substrate preparation must be adapted to the specific job site conditions.
-

Working instructions

Mixing

- weber.rep 766 is supplied in 2 pre-mix twin packagings (component A = resin base and component B = hardener) with the specific mixing ratio for use; avoid mixing of partial quantities.
- Empty the component A totally into the component B.
- Mix both components with a slow-speed electric drill and the stirrer weber.sys Rührpaddel no. 8 for at least 2 minutes, until a lump-free mixture of uniform colour is obtained.
- Take care that the product is also thoroughly mixed in the corners and at the bottom of the mixing container.
- We recommend decanting into a clean container and mixing shortly again.

Application

- Apply weber.rep 766 to the surfaces to be bonded, using a flat trowel or a spatula.
- Assemble elements after 45 minutes at the latest.
- Remove overflowing residues, using a spatula or a flat trowel, and clear with water and a hard sponge.
- Clean mixing equipment and tools with the thinner weber.sys 992 each time work is interrupted (fresh product). Hardened material must be removed mechanically.

Practical information

Colours:
grey

Drying time:
approx. 24 hours

Tools:
Slow-speed electric drill + weber.sys Rührpaddel no. 8, flat trowel, spatula, hard sponge

Storage:
The product can be stored at least 12 months in its original unopened packaging, if kept dry and cool at temperatures (not under +5°C).

Technical Data Sheet



Consumption / yield

per mm layer thickness : approx. 1.6 kg/m²

Packagings

Type	Sales unit	Number / euro-pallet
Metal bucket (kit with comp. A + comp. B)	4.3 kg	45 buckets

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.