

WEBAC® 1660

PU Injection Resin

Injection System

Properties

WEBAC® 1660 is a PU injection resin with high compressive strength, bending and tensile strength usually only found in epoxy resins. The mixture foams slightly upon contact with water. Without water contact, WEBAC® 1660 cures to form a virtually pore-free, compact, solid and water-tight compound.

Application

To ensure optimum workability, we recommend to store the components at +15 °C minimum for at least 12 hours prior to use. The containers are provided according to the required mixing ratio of 1:1 parts by volume. After mixing component A and B, an emulsion forms for a short time but will clear after about 5 minutes. Apply WEBAC® 1660 by means of a 1- or 2-component (1- or 2-c)-pump. Make sure that only pure WEBAC® 1660 without any residue from cleaning agents or other foreign matter is injected.

1-c- pump: Empty component A and B into a mixing vessel and mix until homogeneous. Briefly mix the emulsion after clearing, fill it into the pump's feed container, and stir again briefly. The mixed material must be applied within the specified workable life (11 / +20 °C: approx. 25 minutes).

2-c-pump: WEBAC® 1660 can also be applied by means of a 2-c-pump (e.g. WEBAC® IP 2K-F2). In doing so, ensure that the volume flow is sufficient so that component A and B are mixed homogeneously in the mixing device (static mixer).

Cleaning agent

Clean the equipment thoroughly with WEBAC® Cleaner A any time work is interrupted for a longer period of time and after use.

Use WEBAC® Cleaner B for etching all material already cured but not for rinsing and cleaning injection pumps. Provide for adequate ventilation during the cleaning process.

Fill the entire pump system with WEBAC® Lubricant in case of long standstill periods.

Please also note when using 2-c-pump: The mixing device can be rinsed with component A when interrupting work briefly.

Please also observe the technical data sheets of the injection pumps and cleaners used.

Range of application



WEBAC® 1660 is designed for sealing, bonding and stabilizing building components. WEBAC® 1660 is also suitable for filling cavities and gravel nests and is especially designed for structural crack repairs, e.g. of dry cavities in quarry-stone work and unconsolidated rock, for static strengthening of brickwork and for injection procedures via injection tubes.

Type of material

- 2-comp. injection resin based on polyurethane, MR 1:1 (parts by volume)
- very tough and solid
- fast curing
- adjustable reaction
- slight foam formation upon water contact
- fulfills the requirements of the KTW recommendations in contact with potable water (test certificate)
- total solid*

Further Information

- WEBAC® Brochures
- Test certificates on request
- Please observe the existing regulations on the intended application

Storage

WEBAC® 1660 must be stored in original, sealed containers at +5 °C to +30 °C protected against moisture.

*according to test method of Deutsche Bauchemie e.V. (German Construction Chemicals Association)

Waste disposal

In Germany, empty containers can be disposed of via Interseroh observing the respective terms and conditions. It is not possible to dispose of containers at production facilities or delivery warehouses.

For information on the disposal of residual material and empty containers, please see the separate information sheet in the Annex to the **WEBAC® Product Catalog** and the safety data sheets.

Safety precautions

The safety regulations of the industrial trade associations and the **WEBAC®** safety data sheets are to be observed at all times when working with **WEBAC® 1610**.

In accordance with Regulation 1907/2006/EC (Annex II) the safety data sheets must be accessible to all persons responsible for occupational safety, health protection and the handling of materials.
GISCODE PU 40

Wear protective clothing, safety gloves and goggles when applying the material and cleaning the equipment. The use of a suitable skin care cream is recommended.

After contact with skin wash with soap and water. After contact with eyes rinse immediately with water and seek medical advice at once. Do not allow the material to enter drains or soil unmixed.

Technical Data

Type of material	2-comp. PU injection resin, fulfills the requirements of the KTW-recommendations in contact with potable water, total solid*	
	Comp. A:	Comp. B:
Density (+23 °C)	approx. 1.0 g/cm ³	approx. 1.2 g/cm ³
Color**	amber	brown
Viscosity (+23 °C)	approx. 300 mPa·s	approx. 250 mPa·s
Mixing ratio	1:1 parts by volume	
Application temperature	> +1 °C	
Pot life (1l / +20 °C)	approx. 25 min	
Compressive strength (after 7 days)	approx. 65 MPa (N/mm ²)	
Bending and tensile strength (after 7 days)	approx. 85 MPa (N/mm ²)	
Application	injection by 1- or 2-c-pump	
Storage	at +5 °C to +30 °C in original, sealed containers protected from moisture	
The given data are laboratory parameters and may deviate depending on the object and the conditions on site.		

* according to test method of Deutsche Bauchemie e.V.

** color may vary