ResinBau
# HydroGum

ResinBau
MADE IN THE EU

ResinBau sp. z o.o. ul.
Frezerów 3, 20-209 Lublin
NIP: 9462710841
BDO: 000548679
e: info@resinbau.eu
t: +48 731 904 000

# Technical Manual

## Single component polyurethane injection resin

HydroGum is a one-component, low viscosity resin for sealing damp cracks, concrete slab joints, sewer pipes and expansion joints

## Properties

- **Product needs contact with water to initiate reaction**
- Excellent adhesion to concrete and metal
- High tensile strength
- Excellent chemical resistance
- Forms a flexible bond
- Volume increase up to 4 times


## Areas of application

- Sealing of cracks in concrete structures and underground structures.
- Water flow restrictor for leaks or active leaks.
- Can be used in a 2K 1:1 system with water to seal dry cracks.

## Product specifications

| | Resin |
|---|---|
| Viscosity (23 °C) | 370 ± 30 mPas |
| Density (23 °C) | 1,12 g/cm$^3$ |
| Color | Pale Yellow |
| Response onset time in contact with water 1:1 | 40 s |
| Response time for water contact 1:1 | 2 min 30 sek |

- Times given when mixed with water in a 1:1 weight ratio

## Optional additional products

- ResinBau CrackOn.5 crack sealing mortar
- Hammpack® PI-Cleaner - for cleaning injection aids
- Hammpack® injection packers

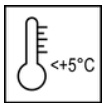
## Preparatory work for injection

- This product is intended for professional users only
- Prior to injection a structural analysis must be carried out
- The substrate must be stable and compact, without loose parts or substances that reduce adhesion, such as grease, oil, etc.
- Correctly drill holes, depending on the work to be carried out
- Cracks or loose parts of the joints should be forged / punched and cleaned from construction dust in order to be able to close them by filling them with putty (ResinBau CrackOn.5)
- The holes should be blown out with compressed air or water
- Install packers
- Start the application

## Resin preparation

- The ingredients are supplied ready for use.
  The reaction time depends on the temperature of the material, the structure of the structure and the amount of water added. Higher temperatures will speed up the reaction time and lower temperatures will slow it down.
  Remember: Water and moisture as well as elevated temperatures significantly accelerate the reaction time.
- Apply with a one-component pump or a two-component pump for a 1:1 system with water.

## Directions for use




- Material, ambient and substrate temperature should be above 5°C
- Prepare the pump for application according to manufacturer's recommendations
- The pressure at which the resin will be applied depends on the crack structure and size
- Start the application at the lowest point of the crack,
- Continue the application until the resin leaks out of the adjacent packer
- This procedure is necessary to achieve an even distribution of the material,,
- Stop pumping, disconnect the hose from the packer nipples and move on to the next one,
- Continue the procedure until the crack is completely filled.
- Processing time 30 min at 20 °C

## Cleaning after work

- Clean the pump and equipment with Hammpack® PI-CLEANER every time the work stoppage is longer than 15 minutes and after finishing the application.
- Take care to maintain proper safety conditions during cleaning.
- When the cleaner escapes from the injection hose, flush it out with an appropriate amount of Hammpack® PI-SAVER maintenance product.

## Storage
## Shelf life

- In a dry place at 10 °C - 30 °C
- Shelf life 12 months from date of manufacture in original, unopened packaging. Once opened, the shelf life of the product decreases very quickly.

## Safety

- In a dry place at 10 °C - 30 °C
- Wear protective goggles, gloves and clothing. Avoid contact with skin and eyes.
- In case of eye contact: Rinse thoroughly with clean water and consult a doctor.
- In case of skin contact: rinse abundantly with water.
- Mix the HydroGum residue with sand and dispose of the mixed material according to local regulations.

***EN: Danger*** *- H315 - Irritates the skin; H317 - May cause an allergic skin reaction; H319 - Irritates the eyes; H332 - Harmful if inhaled; H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled; H335 - May cause respiratory irritation; H351 - Suspected of causing cancer; H373 - May cause damage to organs through prolonged or repeated exposure. - P201 - Obtain special instructions before use; P202 - Do not use before reading and understanding all safety precautions; P260 - Do not breathe dust, smoke, gas, mist, spray or vapour; P264 - Wash hands, forearms and face thoroughly after use; P271 - Use only outdoors or in a well-ventilated area; P272 - Do not remove contaminated work clothes from the workplace; P280 - Wear safety glasses, face protection, protective clothing, gloves; P284 - Wear respiratory protection; P302+P352 - IF ON SKIN CONTACT: Wash with plenty of soap and water; P304+P340 - IF INHALED: Remove person to fresh air and ensure breathing; P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if accessible and easy to remove. Rinse continuously; P308+P313 - IF exposed or contacted: Seek medical advice/attention; P312 - If you feel unwell, contact a POISON CENTER or doctor; P321 - Specific treatment (see additional first aid instructions on this label); P332+P313 - If skin irritation occurs: Seek medical advice/attention; P333+P313 - If skin irritation or rash occurs: Seek medical advice/attention; P337+P313 - If eye irritation persists: Seek medical advice/attention; P342+P311 - If respiratory symptoms occur: Contact a POISON CENTER or doctor; P362+P364 - Remove contaminated clothing and wash before reuse; P403+P233 - Store in a well-ventilated area. P405 - Keep container tightly closed; P501 - Dispose of contents/container at hazardous or special waste collection point in accordance with local, regional, national and/or international regulations.*