



Polymertechnik Hegemann along with Fraunhofer Institute for Environmental, Safety and Energy Technology developed the implementation technique of a self injecting polymer against wet masonry. The application can be used as horizontal barrier, for sealing of wall or screed and even for laminar sealing. In addition, the masonry joints and the dilapidated interior plasters have to be replaced. Detailed description of the necessary work steps is attached to our sealing sets



Drilling for a horizontal barrier



Deep injection with gel pump

WATER PROOFING CONSTRUCTIONS USING SUPER-ABSORBENT

Applications

- Horizontal barrier against rising wall dampness
- Stopping wall dampness due to insufficient exterior waterproofing
- Transform moisture below screed and flagging into sealant material
- Sealing wet corners of garages, window jambs, slab coving, etc.

Commercial sealings:

- CAVITY FILLING
- JOINTS IN BASEMENT GARAGES
- CAVITY BLOCKS



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PERMAGEL-pro

AGAINST MOISTURE IN CONSTRUCTIONS

- ✓ Professional water sealing with **PERMAGEL-pro**
- ✓ Transform moisture into sealant material
- ✓ Still active in 15 years

- NO CHEMICALS
- FAST + EASY HANDLING
- PERMANENTLY ACTIVE SEALANT MATERIAL

Range of application:

- ✓ Basements
- ✓ Garages
- ✓ Living rooms
- ✓ Restoration of old buildings
- ✓ Buildings protected as historical monuments

PREPARATIONS



- Removal of the wet, salt encrusted old plaster



- Free joints by •
1 - 1.5 cm



- Drill holes \varnothing 18 x 300 mm, slope of 45°, distance ca. 13 - 15 cm



- Re-profiling masonry joints with sulphate-resistant barrier mortar



- Hammering down plastic packers into drillings using a hammer and riveting pin

GEL INJECTION



- Gel injection with professional pump, easy handling by only one person. Cleaning the machine is not necessary after finishing work. Gel can remain in the machine



- Gel injection lasts ca. 30 sec. for each packer. After finishing all injections cut packers flush from the wall



- After injections, ca. 3 - 4 mm thick water-proofing grout is applied



- Wall areas get a ca. 2 mm thick salt-storing plaster which stores the salt crystals while drying the wall



- A gel injection in the changeover between wall and floor stops water beneath the screed of old constructions with a strip foundation

GEL PUMP + GEL CONTAINER

THE PROFESSIONAL PUMP



Description

Great performance and compact dimensions feature the versatile applicable worm pump SP-Y. A particular advantage is the delivery control which provides 130 R/min in the first gear and up to 450 R/min in the second gear.

Delivery contents

Chassis with slider, 30-liter plastic material container, splash guard, stator, continuous delivery control, 5m material hose \varnothing 25 mm with lockable Geka coupling, ball valve R 3/4 "with swivel joint, monitor window and quick-snap (stainless steel), pressure gauge 0 - 40 bar, worm shaft with accessories (stainless steel), rotor (hard chrome plated)

! No daily cleaning necessary. Gel can be stored in the pump-container until next use.

PERMAGEL-pro
in 30 Ltr. containers.
Easy handling on construction sites.

