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Технические характеристики на мембранные окрасочные аппараты для впрыскивания вязких жидкостей, инъекционные пакеры, смесители компании **TAIVER**



BLACK M INJECTION

SKU: 6500INJ

Categories: [Injection pumps](#), [Injection BLACK series](#)

Dati Tecnici:

Power: 2 CV (1.5 kW)

Flow rate with MAX nozzle: 4.5 l/m

MAX pressure: 220 bar

Pipe elevation MAX: 100 m

Suggested MAX viscosity: suggested: max 400 centipoise

Voltage: 230V/50Hz

MAX flow rate: 6.5 l/m

MAX nozzle size: 0.031

Hose length MAX: 100 m

Peso: 41 kg

|

DESCRIZIONE DEL PRODOTTO

WIT BLACK M INJECTION is an airless pump ideally suited to the application of: epoxy and polyurethane (PU) materials for the concrete renovation, insecticides, pesticides, anti-fouling materials for wood protection, emulsion and lacquers for all common surface coatings.

APPLICATIONS

Acrylic gels, epoxy resins, polyurethanes and most single-component products for injection.

APPLICATION'S FIELDS

Injections – Sealing – Infiltrations – Masonry cracks

INJECTION ACCESSORIES:



066002 – hydraulic pressure gauge kit



BLACK S INJECTION

SKU: 004200INJ

Categories: [Injection pumps](#), [Injection BLACK series](#)

Dati Tecnici:

Power: 1 hp (0.75 kW)

MAX pressure: 220 bar

Voltage: 230V/50Hz

MAX flow rate: 4.5 l/m

Hose length MAX: 60 m

Weight: 28 kg

|

DESCRIZIONE DEL PRODOTTO

WIT BLACK S INJECTION is an airless pump ideally suited to application of: epoxy and polyurethane (PU) materials for the concrete renovation, insecticides, pesticides, anti-fouling materials for wood protection, emulsion and lacquers for all common surface coatings.

APPLICATIONS

Acrylic gels, epoxy resins, polyurethanes and most single-component products for injection.

APPLICATION'S FIELDS

Injections – Sealing – Infiltrations – Masonry cracks

INJECTION ACCESSORIES:



066002 – hydraulic pressure gauge kit



BLACK L INJECTION

SKU: 010600INJ

Categories: [Injection pumps](#), [Injection BLACK series](#)

Dati Tecnici:

Power: 3 hp (2.2 kW)

MAX pressure: 220 bar

Pipe elevation MAX: 100 m

Voltage: 230V/50Hz

MAX flow rate: 9.5 l/m

Hose length MAX: 100 m

Weight: 59 kg

|

DESCRIZIONE DEL PRODOTTO

WIT BLACK L INJECTION is an airless pump ideally suited to huge application of: epoxy and polyurethane (PU) materials for the concrete renovation, insecticides, pesticides, anti-fouling materials for wood protection, emulsion and lacquers for all common surface coatings.

APPLICATIONS

Acrylic gels, epoxy resins, polyurethanes and most single-component products for injection.

APPLICATION'S FIELDS

Injections – Sealing – Infiltrations – Masonry cracks

INJECTION ACCESSORIES:



066002 – hydraulic pressure gauge kit



BOXER 24 INJECTION

SKU: 13990

Categories: [Injection BOXER series](#), [Injection pumps](#)

Dati Tecnici:

Compression ratio: 1:1

MAX pressure: 8 bar

MAX inlet air pressure: 8 bar

MAX flow rate: 24 l/m

|

DESCRIZIONE DEL PRODOTTO

BOXER 24 INJECTION is a pneumatic double diaphragm pump built for injecting all low/medium viscosity liquid products.

The direct suction from the source container ensures constant supplying.

All parts in contact with the product are made of a special acid-resistant and flame-retardant material.

No oil need neither special maintenance.

High reliability.

RISING DAMP

SYMPTOMS:

Rising damp can affect the totality of buildings with more than thirty years and it is manifested by:

- Mold stains at the base
- Plaster peeling
- condensation phenomena in rooms

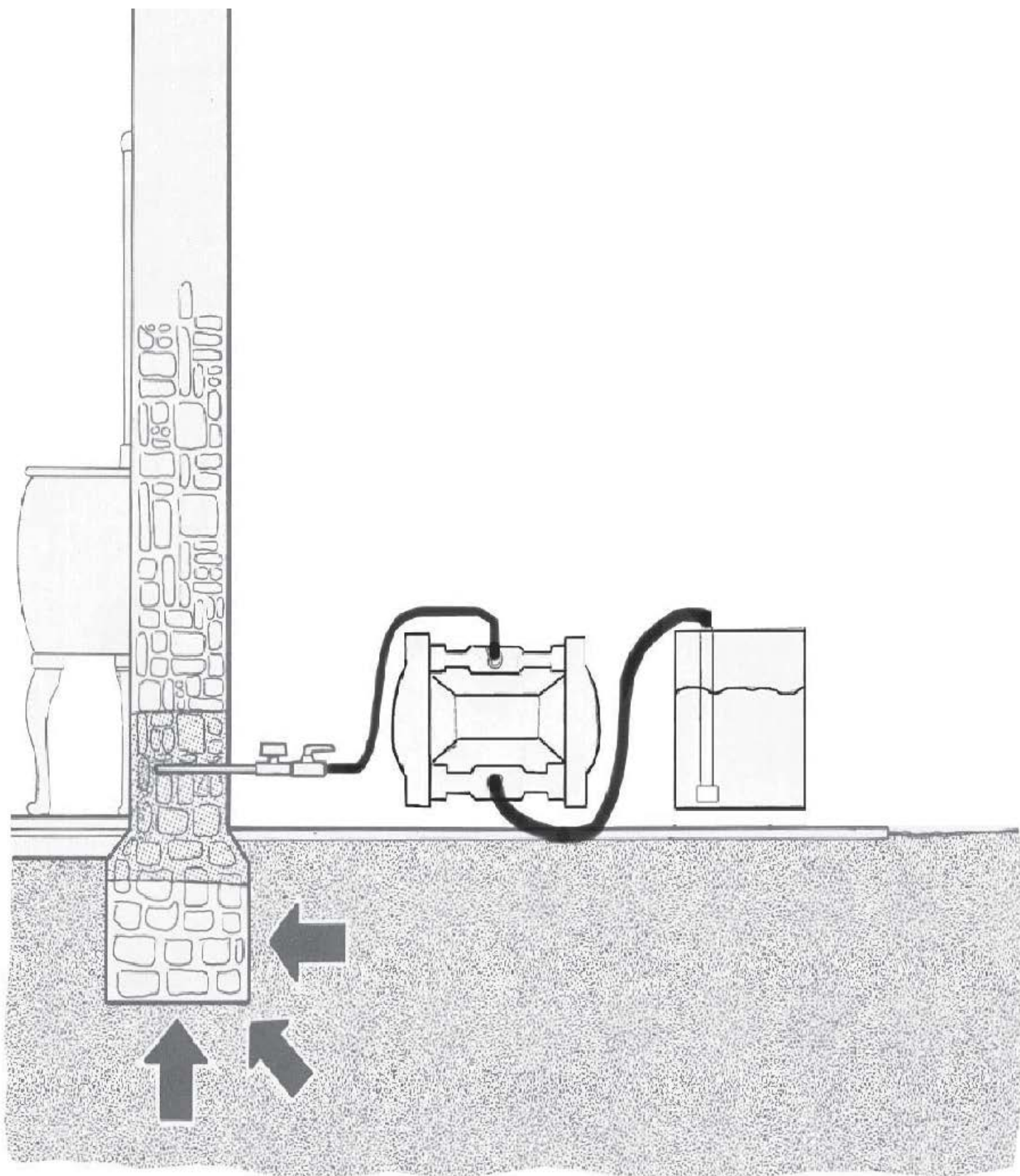
CAUSE:

Rising damp is due to the presence of underground water and to the construction material's ability to absorb this water.

REMEDY:

W.I.T. SRL has realized an injection system which, penetrating into the wall, forming a horizontal chemical barrier and prevents capillary rising humidity, drying the environment with immediate benefits for those who live in. Also it gets rid of any mildew stains, thermally isolates the wall and allow the restoration of plaster paintings. Inoltre fa sparire eventuali macchie di muffa, isola termicamente il muro e permette il ripristino di intonaci pitture.





GENERAL FEATURES

Diaphragm pumps offer significant advantages over other types of pumps, such as the absence of mechanical seals and / or gaskets that are often responsible for the pump breaking under tough working conditions. These pumps are self-priming, so it is not necessary to fill the fluid suction column to operate and can be used to aspirate liquid deposits, initially having suction pipe full of air.

Maintenance is fast and simple and it's easy to replace components, which makes this type of pump equipment with a very low operating cost. Diaphragm pumps are very versatile: different set-up are available depending on the working temperatures and fluid to aspire. The most commonly used materials are neoprene, Viton, Teflon, polyurethane and other synthetic materials.

The high resistance to corrosion and the fact that they do not need to be primed to operate make these pumps widely used in industry for moving almost any liquid (acids, paints, construction, solvents, ceramic industries, chemical industries, food, paints, inks ...).



W MIXER T – BI-COMPONENT MIXER

SKU: 66562

Categories: [Injection pumps](#), [Bi-component injection series](#)

Dati Tecnici:

MAX pressure: 500 bar

|

DESCRIZIONE DEL PRODOTTO

W.I.T. 2k injectors are designed to mix and apply accurately and uniformly:

- epoxy resins
- polyurethane resins
- silicone resins
- acrylic resins
- other 2K adhesives and sealants

They are simple and immediate to use, constant and precise in dosing. Disposable static mixers are recommended for optimal resins mixing results. Disposable static mixers are available in a complete 32-element cartridge, ideal for any need, for dosing, spraying and injection.



W TWIN – 2 WAY MIXER

SKU: 66560

Categories: [Bi-component injection series](#),
[Injection pumps](#)

Dati Tecnici:

MAX pressure: 500 bar

|

DESCRIZIONE DEL PRODOTTO

W.I.T. 2k injectors are designed to mix and apply accurately and uniformly:

- epoxy resin
- polyurethane resin
- silicone resin
- acrylic resin
- other 2K adhesives and sealant

They are simple and immediate to use, constant and precise in dosing.

Disposable static mixers are recommended for optimal resins mixing results. Disposable static mixers are available in a complete 32-element cartridge, ideal for any need, for dosing, spraying and injection.



W TWIN 3 – 3 WAY MIXER

SKU: 66555

Categories: [Injection pumps](#), [Bi-component injection series](#)

Dati Tecnici:

MAX pressure: 500 bar

|

DESCRIZIONE DEL PRODOTTO

W.I.T. 2k injectors are designed to mix and apply accurately and uniformly:

- epoxy resin
- polyurethane resin
- silicone resin
- acrylic resin
- other 2K adhesives and sealant

They are simple and immediate to use, constant and precise in dosing.

Disposable static mixers are recommended for optimal resins mixing results. Disposable static mixers are available in a complete 32-element cartridge, ideal for any need, for dosing, spraying and injection.

STATIC MIXER



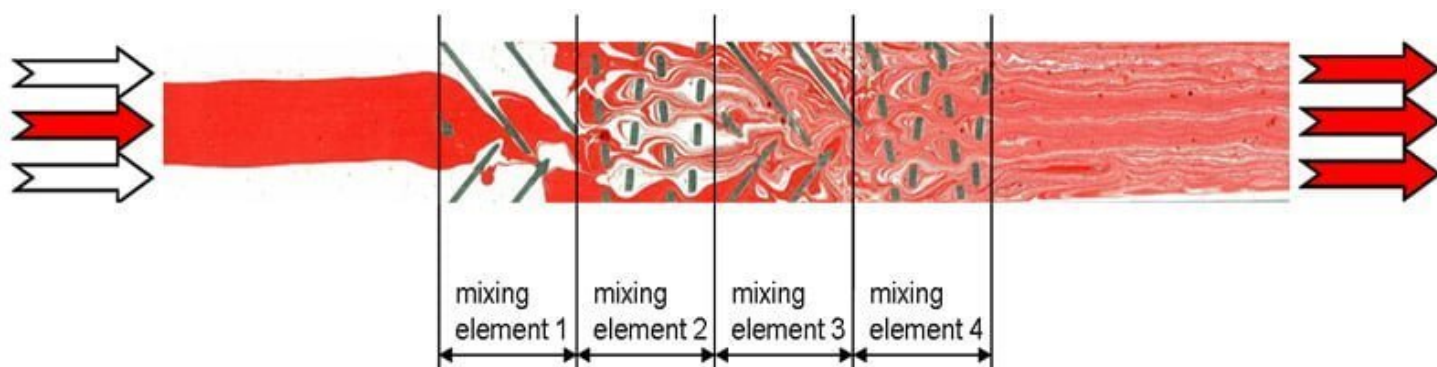
SKU: 66551

Categories: [Injection pumps](#), [Bi-component injection series](#)

DESCRIZIONE DEL PRODOTTO

What is static mixing?

Static mixing is mixing of fluids without moving parts. Static mixers rely on tubular internals to produce desired mixing and dispersion effects as the melt flows through motionless mixer parts. W.I.T. static mixer solutions are designed to equalize melt inhomogeneities and reduce temperature gradients with highest effectiveness, low shear stress and minimum pressure drop. I miscelatori statici sono costituiti da componenti fissi (barre miscelanti) inseriti all'interno di strutture tubolari, dove gli effetti di miscelazione e di dispersione desiderati vengono ottenuti grazie alla continua suddivisione e ricombinazione del flusso in transito, secondo modalità ben precise. I miscelatori statici W.I.T. sono progettati per ottenere un melt omogeneo e ridurre i gradienti di temperatura con la massima efficienza, garantendo bassi sforzi di taglio e perdite di carico minime.





INJECTION PACKERS

SKU: a01607097011

Categories: [Bi-component injection series](#),
[Injection BLACK series](#), [Injection BOXER series](#)

Esempio denominazione packer:

OPK 13 - 100 - M - 6

Tipo di packer (OPK)

Valvola a sfera (M)

Diametro esterno gomma Ø (13)

Dimensione filetto vite interna (6)

Lunghezza packer (100)



Nome packer (Standard)	Lunghezza gomma	Vite a testa larga	Doppia gomma	Gomma a sporgenza lieve	Gomma a sporgenza pronunciata	Gomma con inserto interno	Dado in alluminio	Doppia valvola (one-day packer)	Valvola a testa piattina M6 (16 mm)	Valvola a testa piattina M8 (16 mm)	Valvola a testa piattina piccola (10 mm)	Valvola a sfera a perdere
Diam. foro Ø 8 mm												
OPK 8-90-M-5	30 mm	L	-	-	-	-	-	-	-	-	-	VK
Diam. foro Ø 10 mm												
OPK 10-70-M-5	30 mm	L	DG	-	-	-	-	-	-	-	-	VK
OPK 10-90-M-6	30 mm	L	DG	-	V	-	-	DV	P6	PB	mP	VK
OPK 10-100-M-5	40 mm	-	DG	-	-	-	AM	-	-	-	-	VK
OPK 10-100-M-6	35 mm	-	DG	-	V	-	-	DV	P6	PB	mP	VK
OPK 10-110-M-5	30 mm	L	-	T	-	-	AM	-	P6	-	mP	VK
OPK 10-110-M-6	35 mm	-	DG	-	V	-	-	DV	P6	PB	mP	VK
Diam. foro Ø 12 mm												
OPK 12-70-M-6	30 mm	-	-	-	V	-	-	-	-	-	-	VK
OPK 12-90-M-6	30 mm	-	DG	-	V	-	-	DV	P6	PB	mP	VK
OPK 12-100-M-6	40 mm	L	DG	-	V	-	-	DV	P6	PB	mP	VK
OPD 12-115-M-6	30 mm	-	DG	-	-	-	-	-	P6	PB	-	VK
Diam. foro Ø 14 mm												
OPK 13-70-M-6	30 mm	L	DG	-	V	BG	-	DV	P6	PB	mP	VK
OPK 13-90-M-6	30 mm	L	DG	-	V	BG	-	DV	P6	PB	mP	VK
OPK 13-100-M-6	40 mm	L	DG	-	V	BG	-	DV	P6	PB	mP	VK
OPK 13-110-M-6	30 mm	L	DG	T	V	BG	AM	-	P6	PB	mP	VK
OPK 13-120-M-6	40 mm	L	DG	-	V	BG	-	DV	P6	PB	mP	VK
OPK 13-150-M-6	30 mm	L	-	T	-	-	AM	-	P6	-	mP	VK
OPK 13-160-M-6	40 mm	L	DG	-	V	BG	AM	DV	P6	PB	mP	VK
OPK 14-70-M-6	30 mm	L	DG	-	V	-	-	DV	P6	PB	mP	VK
OPK 14-100-M-6	40 mm	L	DG	-	V	-	-	DV	P6	PB	mP	VK
OPK 14-100-M-8	40 mm	-	-	-	-	-	-	-	-	PB	mP	VK
OPD 13-115-M-6	30 mm	-	DG	-	V	BG	-	-	P6	PB	-	VK
APD 13-110-M-8	30 mm	L	DG	-	-	-	-	DV	-	PB	-	VK
Diam. foro Ø 16 mm												
OPK 16-70-M-6	30 mm	-	DG	-	-	-	-	DV	P6	PB	mP	VK
OPK 16-100-M-6	40 mm	-	DG	-	-	-	-	DV	P6	PB	mP	VK
Diam. foro Ø 18 mm												
OPK 17-100-M-8	35 mm	-	-	-	-	BG	-	-	-	PB	mP	VK
OPD 17-115-M-8	35 mm	-	-	-	-	-	-	-	-	PB	-	VK
Diam. foro Ø 20 mm												
OPD 19-150-M-10	60 mm	-	-	-	-	-	-	-	-	-	-	VK

Come scegliere il packer adatto



Categorie di packer

OPK - Packer semplici in acciaio



Sono i packer più semplici ed economici.

Caratteristiche costruttive **OPK**: vite senza testa, dado tensionatore, inserto in gomma, corpo premente esagonale, valvola a sfera (detta del tipo ad Ingrassatore).

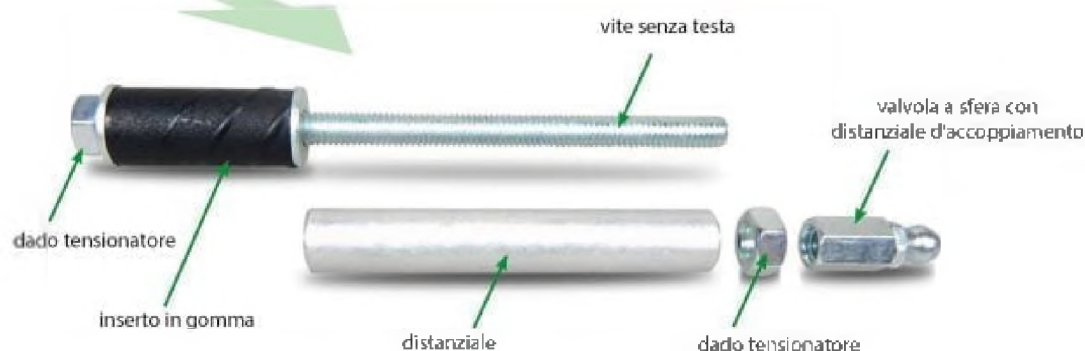


OPD - Packer in acciaio a valvola indipendente



La valvola di non-ritorno non è vincolata al corpo premente.

Caratteristiche costruttive **OPD**: vite senza testa, dado tensionatore, inserto in gomma, distanziale tondo, valvola a sfera su distanziale d'accoppiamento.



Esempi di denominazione packer:

OPK 13-90-M-6 (L-DG-AM)



OPK 12-110-M-6 (V-DV)



OPD 13-115-M-6 (P6)



OPK 13-110-M-6 (L-T-AM)



OPK 13-100-M-6 (P8)



A richiesta del cliente siamo in grado di fornire:

Packer OPK con gomma diam. Ø 8-17, lunghezza totale 70-1000 mm e vite M5, M6 e M8.

Packer OPD con gomma diam. Ø 8-32, lunghezza totale 80-3000 mm e vite M5, M6, M8 e M10.

DESCRIZIONE DEL PRODOTTO

"Resin injectors" called "packers" are tools used in building and construction to perform the injection of epoxy resin or similar materials inside cracks, crevices or cavities in a structure in order to strengthen or repair it. These injectors are commonly referred to as "packers" because they serve as connection or insertion devices for introducing the injection material into the structure.

Here is how packers generally work:

1. **Surface preparation:** Before injectors are used, the surface of the crack or crevice must be prepared, often cleaned and degreased, to allow better adhesion of the injection material.
2. **Placement of packers:** The packers, which are small tubes or bushings generally made of metal or plastic, are placed inside the cracks or crevices through holes drilled in the surface with the drill and a drill bit of the corresponding diameter. One side of the packer is attached to the surface, inside the hole, through the clamping grommets.
3. **Resin injection:** After the packers are properly placed, epoxy resin or injection material is injected inside the cracks or crevices through the packers. This process can be carried out with the help of pumps and injection guns.
4. **Hardening and repair:** Once the injection material has been injected, it hardens and solidifies, reinforcing or sealing the crack or crevice, depending on the needs of the project.

This process is often used for structural rehabilitation of buildings or for sealing cracks to prevent water or gas infiltration. Resin injectors, known as packers, play a key role in this process, enabling the precise and controlled injection of material into the slots.

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