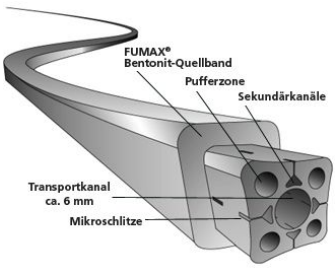
P400 injection system



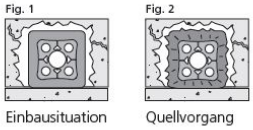


Fig. 1
Einbausituation

Fig. 2
Quellvorgang

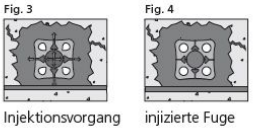


Fig. 3
Injektionsvorgang

Fig. 4
injizierte Fuge

Der Dichtheit von Betonbauwerken wird eine immer größere Bedeutung zugemessen. Arbeitsfugen in Bauteilen sind konstruktiv und arbeitstechnisch unvermeidbar. Nicht aber die in diesen Bereichen immer wieder auftretenden Feuchtigkeitsschäden. Notwendige Sanierungen sind aufwendig und verursachen hohe Kosten. Das stark wachsende Bewusstsein für Qualität und Dauerhaftigkeit fordert neue, constructive solutions that guarantee a long-term sealing reserve.

Commitment
Sealing of construction joints. Injection hose P400 with complete sheathing made of swellable bentonite, automatically activated by contact with water

Injection hose P400 for injection of:
PUR resin
PUR foam
Epoxy resin

Characteristics
Self-swelling when exposed to water
Basically, no injection process required at first
Activation also possible by adding water through the injection hose
Secure against the ingress of foreign substances
Full contact surface
Ready-made in 5 m pieces

Structure of the sheath
Complete sheathing made of swellable bentonite (natural clay basis)

Structure of the injection hose
Injection hose made of soft PVC divided into functional areas
Internal transport channel surrounded by four secondary transport channels
Outlet openings in the form of linearly arranged micro-slits, the valve function of which is supported by buffer zones

Connection
Duobox - for connecting two hose ends; Standard depth for concrete cover 30 mm
Nail packer
Hose end box

Hose attachment
Betoquell leveling paste for gluing and leveling
FUMAX® contact adhesive
BETOFIX for gluing

P400 injection system

Article description	Title of variant	Packaging piece/ metre/ metre by the metre/ bucket/ bag/ bundle/ box/ can	Weight kg/metre	Weight kg/piece	Weight kg/100 pieces
86500400	Injection system P400 assembled à 5 m	5x5 meter/roll	0,920		
86506055	Quicky hose connector	25 pieces		0,005	
86506060	Quicky hose connector assembled	1 piece		0,105	
86200308	PVC hose fabric reinforced red	50 metres	0,200		
86200310	PVC hose fabric reinforced white	50 metres	0,200		
86200340	Sealing plug yellow	25 pieces		0,100	
86300190	Crimping nipple 55 mm for fabric hose	50 pieces		0,008	
86300180	Hose clamp	25 pieces		0,006	
86300480	Duobox 30 mm	1 piece		0,070	
86300490	Duobox div. dimensions	1 piece			
86300410	Hose end box	1 piece		0,140	
86300050	Nail packer	50 pieces		0,013	
86340012	Hose clamp without bolt P400	100 pieces		0,026	
86300223	Masonry drill 5 mm	1 piece		0,040	
86300220	Impact dowel 5 mm	200 pieces			0,320
86431014	Betoquell levelling paste 310 ml	Cartridge		0,460	
86430052	Betofix adhesive 600 ml tubular bag with spout	Tubular bag		0,920	
86430060	Press for tubular bags	1 piece		1,020	