

**BEMIX**  
— en del av Finja

SPECIAL MORTARS  
FOR CHALLENGING  
SITUATIONS







# FINJA BEMIX AB

As part of Finja we mainly develop special mortars, supplying them to the Swedish construction industry, and we have a wide range of advanced and customised expanding mortars. The products are aimed at professionals and their areas of use include everything from the advanced underpinning of machines, crane runways, overhead cranes, columns and bridge bearings to anchoring bolts in rock and jointing prefabricated concrete elements.

Deliveries are made throughout Sweden, and the Öresund Bridge, Emporia, Friends Arena, New Karolinska Solna hospital and Mid Sweden University in Sundsvall are few of the examples of construction projects where our products have been used. They were also put to good use with the extensive renovation of the Tingstad Tunnel. For us, the entirety is what is important, and in addition to materials and expert assistance, we provide machinery and equipment of the highest quality. Presently we are 10 employees and have our sights on an annual turnover of SEK 100 million.

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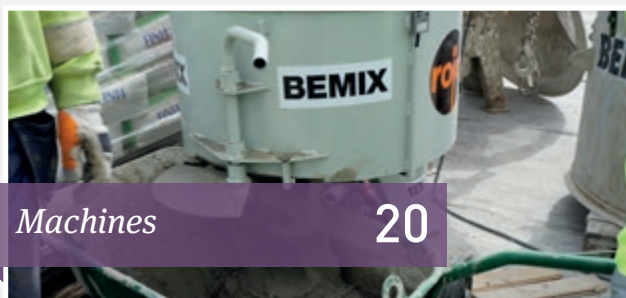
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# A BIG LITTLE BUSINESS

Finja is a Swedish family business whose journey began with a gravel pit acquired in 1957. Add a large amount of knowledge, dedication and courage and you'll have today's company – one of the country's largest companies in the concrete industry.

Our companies complement each other and cover everything from masonry and plastering construction solutions to sand, special mortars and prefabricated solutions for residential, office, industrial and agricultural buildings.

We currently employ close to 800 people and aim for a turnover of SEK 2 billion. At Finja we value being close to our customers and we are present in a number of locations in Sweden and Norway. We are constantly growing but the fast-paced action of the small original company remains and we are developing new products and reinvest in modern production facilities. Everything to keep us in good shape to continue our journey.







Friends Arena, Solna

# EXPANDING MORTAR

## Special mortars for challenging situations

We specialise in expanding cement/mortar adapted i.a. for underpourings that require easily pumped, non-shrinking material with high strength. As the name suggests, the products expand before they harden.

Unlike ordinary concrete, which shrinks as the water evaporates, our expanding cement is an almost non-shrinkage expanding cement which is mixed with water. The adhesion to both steel and concrete is excellent, and thanks to a high final strength, the underpourings will additionally have a very long useful life. In order to effectively fill the forms and cavities, most of our expanding cements are pumpable and quick flowing in consistency.

### Our range

Our wide range covers a number of areas of application, everything from the underpinning of machines, crane runways, columns and bridge bearings to screeding bathroom floors and anchoring bolts in rock. In the special mortar sector there are highly processed, bagged mortar products and equipment for underpinning and grouting. We also have a complete range of mortars for jointing prefabricated concrete elements.



A walk along the beach, Stockholm



# Underpinning and pointing mortar

## Underpinning machines, crane runways and overhead cranes

Bemix Standard is the product that should be used for underpinning and anchoring machines. This is because from an installation perspective it has the fastest strength increase (approximately 50 MPa after a 24 hour period at 20°C). It is also easy to pump and is fluid, which is vital for good underpinning.



## Jointing when assembling prefabricated concrete

Bemix F4 pumped in thixotropic consistency with a pump and fused in the joints between the concrete elements, without formwork. This approach is much faster than conventional methods with formwork or spackling before filling. When jointing in freezing, Bemix F4 FF should be used, as it contains refrigerant additives.



Bridge, Hässleholm



### Underpinning columns

Bemix P3 and Bemix S3 are underpinning mortars suitable for the underpinning of concrete or steel columns. In freezing temperatures, use Bemix Köldbruk cold mortar or alternatively add Köldbetongtillsats cold concrete admixture to Bemix P3 or Bemix S3. Bemix S3 contains plastic fibre in order to reduce cracks, which may occur with thicker castings or the casting of large areas.

### Underpinning of bridge bearings

Bemix A3 is based on Portland construction cement and is used for the underpinning of bridge bearings, often with using a pump from Bemix. The product is approved according to AMA Anläggning for the underpinning of bridge bearings and embedding guardrail posts. In freezing temperatures, use Bemix A3 FF, which also meets the requirements according to AMA Anläggning and contains a cold admixture for casting down to -10°C.





# Expanding mortar



Pumpable expander mortar that is used for undercasting and filling when quick and high strength are required. Used when high undercasting requirements have been determined, such as for: machine undercasting, bolt anchorage and bridge bearings.

For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix Standard	25 kg



Expanding underpinning mortar for machine underpinning and securing for fine ballast requirements. Running consistency and good pumpability. For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix Fin	25 kg



Pumpable expander for underpinning and casting of bathroom floors (fast drying).

For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix P3	25 kg



Pumpable expander for underpinning. Especially suitable for casting free areas such as in-situ castings and foundations. The fibres help to hold the fresh mix together, which, with special equipment, simplifies underwater casting.

For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix S3	25 kg



Thixotropic, pumpable and expanding jointing compound for joining of concrete elements and granite blocks.

For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix F4	25 kg
Bemix F4	1000 kg



Thixotropic, pumpable and expanding jointing compound. Contains a cold weather additive for down to -10°C and is used for sealing of concrete elements and granite blocks.

For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix F4 FF	25 kg
Bemix F4 FF	1000 kg





Thixotropic and pumpable expander mortar. Mainly used for jointing where a joint with good seal and high strength is required and for anchoring steel in vertical surfaces.  
For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix High Tech 310	25 kg



Thixotropic and pumpable expander. Contains a cold weather additive for casting down to -10°C and is used primarily for sealing where a joint with good seal and high adhesion is required. Also suitable for smaller castings with higher demands.  
For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix High Tech 310 FF	25 kg



Ready-mixed expanding cold mortar for grouting in minus degrees or when rapid formwork removal is needed. Used for underpinning of pillars, prefab elements and similar.  
For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)  
**IMPORTANT TO NOTE!** Not pumpable

Product	Weight
Bemix Köldbruk	25 kg



Pumpable expander that for filling cavities and underpinning of pillars and machines, as well as for filling core joints for element joints etc. Also suitable for casting of, e.g. stairs, foundations and supporting walls.  
For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix Elementfogbruk	25 kg
Bemix Elementfogbruk	1000 kg



Pumpable expander that contains a cold weather additive for casting, joining and underpinning down to -10°C.  
For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix Elementfogbruk FF	25 kg
Bemix Elementfogbruk FF	1000 kg



A chloride-free antifreeze for mortar and concrete which contributes to the growth of strength even at subzero temperatures. It also reduces the risk of frost damage when there is a risk of early freezing.

Product	Weight
Köldbetsongtillsats	10 kg



# Expanding mortar



Pumpable expander mortar that meets the requirements of AMA Anläggning. Used for anchoring and demanding undercastings of e.g. machinery and bridge bearings.  
For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix A3	25 kg



Pumpable expander mortar that meets the requirements of AMA Anläggning. Contains antifreeze additive for casting down to  $-10\text{ }^{\circ}\text{C}$  and is used for anchoring and demanding undercastings of, for example, machinery and bridge bearings.  
For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix A3 FF	25 kg



Comes in original version from the manufacturer. Used for castings where low alkaline sulphate resistant cement is required.  
For further information see [cementa.se](http://cementa.se)

Product	Weight
Anläggningscement	25 kg
Anläggningscement	1000 kg



Spray concrete specially adapted for dry spraying. Used for repairs where commands on minimum shrinking and crack-building exist, for example, cladding of tunnels, strengthening of pillars, beams, quays and other concrete constructions.  
For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight
Bemix SP40	25 kg
Bemix SP40	1000 kg



# Accessories

## Bruksprutor

For joining concrete elements and stone walls, filling moulds in confined spaces, boreholes in all directions and underpinning. Holds approx. 1 litre.



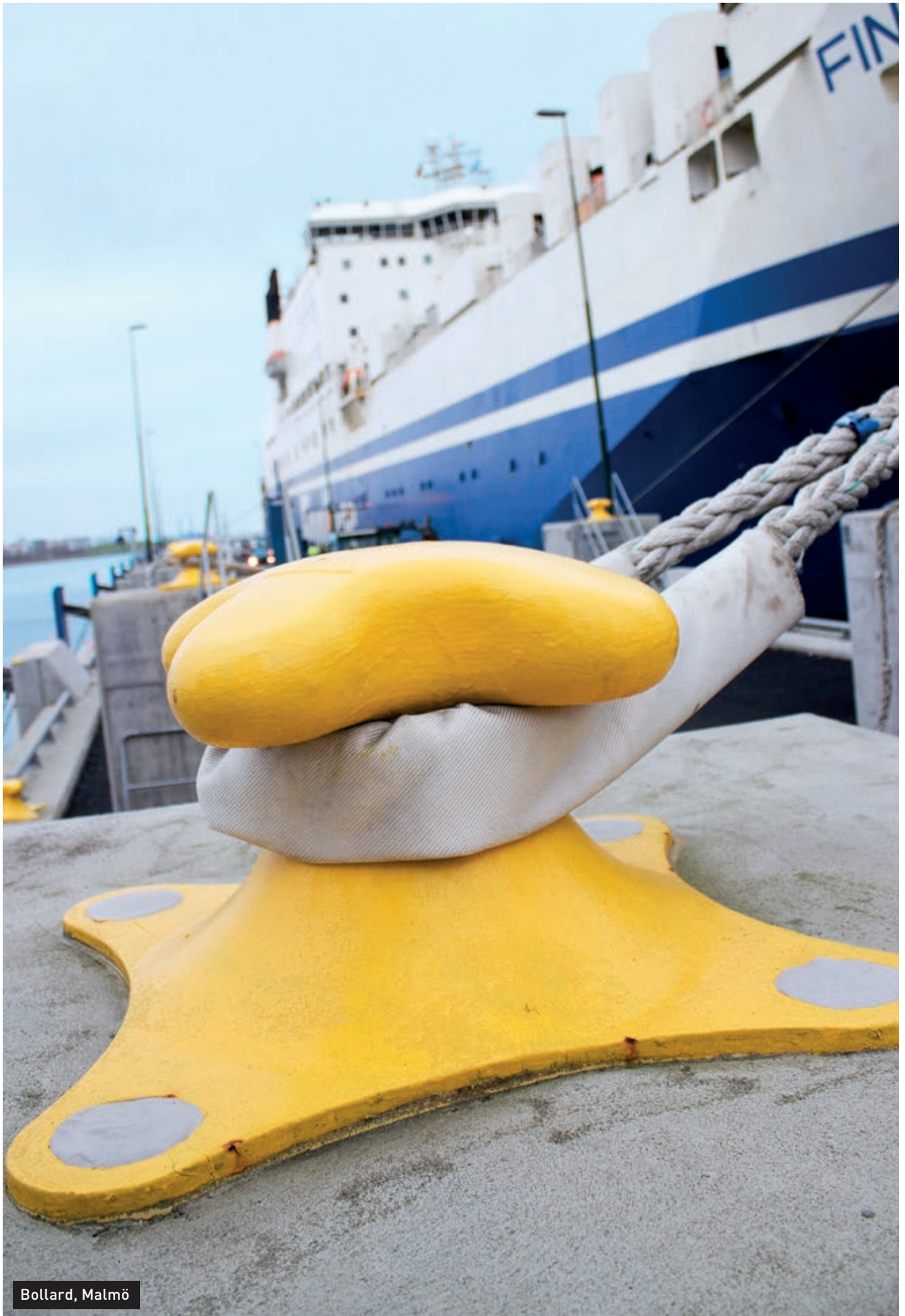
## Equipment that facilitates

We can supply the most essential accessories for prefabricated concrete installation. Ergonomics and quality characterise our products, which not only make the work easier but make it comfortable.



Picture	Art.nr	Product
1	2810005	Bemix Brukspruta rak
2	2810015	Bemix Brukspruta böjd rak
3	2810035	Bemix Brukspruta rund
4	2810025	Bemix Brukspruta rund böjd

Picture	Art.nr	Product	
1	1150535	Bemix Ergospackel	200 mm
2	1150545	Bemix Ergospackel	350 mm
3	1150565	Bemix lläggarslev	140 mm
4	1150505	Bemix Blandarhink	20 l
5	1150575	Bemix Fogkanna	14 l
6	1150555	Bemix Betongskrapa	300 x 200 x 1 mm
7	1150585	Bemix Vinkelpensel	
8	2910115	Bemix Skyddshuv	



Bollard, Malmö



# REPAIR MORTAR

## Complete range of repair products

There are many external factors, both chemical and mechanical, that affect the degradation of concrete. A faulty design or faulty workmanship are the most common causes of concrete damage, but often the damage is due to a combination of several different factors.

The damage should be inspected before repairs are started. This is to find out what has caused the damage in order to undertake the correct repair procedure. Factors investigated in an inspection include the strength of the concrete, the condition of the reinforcement, carbonation depth and concrete cover to reinforcement. Straightforward types of damage can be inspected visually with the help of a chisel, whereas more complicated types of damage should be inspected by an expert.

### Our range

We have extensive expertise in the repair and reinforcement of concrete and therefore have a range of products aimed at just that. The range includes several different products, from corrosion-inhibiting primer to high-performance repair mortar.



# Concrete repair and methods

## Preparation

A prerequisite for successful concrete repair is proper preparatory work. The area to be repaired must be thoroughly cleaned. All damaged concrete and reinforcement bar corrosion must also be removed. This can be done by hand or means of mechanical assistance such as hydroblasting or other blasting. Select the cleaning method taking into consideration the extent of the damage. Damaged rebar or other reinforcement bar should be supplemented or replaced.

The coating layer should never be less than 20 mm, and depending upon the type of construction, the coating layer may need to be much thicker than that. In order to avoid cavities, the site being repaired should have a suitable form.

## Without formwork

The repair site should be watered until it is moist, i.e. not no longer very absorbing but not saturated. The cleaned concrete and reinforcement bar are then covered with Bemix Korrohäft. The next layer is to be applied before the Bemix Korrohäft has dried. Then the damage is built up with Bemix R50, which is an easy-to-use and malleable repair mortar.

Repairs with lower requirements can be dealt with by using Bemix Betongspackel concrete putty, which is ideal for many repair places, has a long workability time and a smooth consistency.



## Korrohäft

Cement-based grout for enhanced adhesion to concrete and steel. As top layer, the product is suitable on concrete and steel surfaces not subject to mechanical wear.

Product	Weight
Bemix Korrohäft	5 kg



### **With formwork**

The repair site should be watered until it is moist, i.e. not no longer very absorbing but not saturated. For minor repairs and with a thin coating layer, the concrete and reinforcement bar is to be pre-treated with Bemix Korrohäft. Ordinarily, larger castings do not need to be pre-treated with Bemix Korrohäft, if the watered concrete has a rough, hewn surface.

Castings are done with Bemix P3 or Bemix A3, depending upon the film thickness of the layer. These products have a high resistance to frost, chemicals and mechanical abrasion. In addition, they provide good protection for the reinforcement bar.

### **Shotcrete**

Hydroblasted surfaces ordinarily do not need additional pre-treatment. Surfaces cleaned dry should be washed with water at high pressure. When applying shotcrete (sprayed concrete), the surface should be slightly absorbent. Any exposed reinforcement bar should be treated with Bemix Korrohäft anti-corrosion bonding slurry. Then Bemix SP40 is applied using dry mix spray equipment. The concrete is based on Portland construction cement and adapted to repairs having a requirement of low shrinkage and minimal cracking. Shotcrete is available up to 6 millimetres.

### **Wrap-up**

After a repair, the mortar or concrete needs to be protected against too rapid drying. This can be done either by means of spraying with water or, if feasible by covering with plastic or alternatively wet fabric, for about one week. The treatment should be adapted based on which product has been used and the prevailing climate.

If a more uniform surface structure is desired following a repair, Bemix Korrohäft anti-corrosion bonding slurry can be applied to the repair site and surrounding concrete, as long as the surfaces are not subject to wear.



# Repair mortar



High-performance, fibre reinforced, shrinkage compensating, thixotropic repair concrete for repairs in concrete where there is a requirement for high performance and durability. Can be used on vertical surfaces without the need for formwork.

For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)



Filler that has longer workable times for concrete substrates. Used for filling pores and joins from casting, as well as for repairing stairs, balconies etc. Especially good for time consuming repairs.

For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)

Product	Weight	Product	Weight
Bemix R50	25 kg	Bemix Betongspackel	25 kg

## Byggpall construction pallet return system

The Byggpall construction pallet return system is the construction industry's own system for pallets. The system has many advantages, but above all it results in less expensive, easier to use and more environmentally-friendly pallet handling at all stages.

Thanks to the return system pallet handling at the worksite is reduced, as obtaining, repair and re-purchase is included, which contributes to a more efficient returns processing. The system is a circular system which the pallet follows along

with at all stages and finally is sold back to be reused again. At the first stage, the supplier buys the Byggpall construction pallet full (or half full) from the system's designated pallet supplier, after which they and the intermediary invoices its customer.

After being finished using it, the final user sells the pallet back at a fixed price, irrespective of quality/condition. This makes the system a financially advantageous alternative, while contributing to reducing construction waste.

More information can be found at [www.byggpall.se](http://www.byggpall.se)





Filling and adjustment on a base of concrete, stone and ceramics, plaster of at least class CS II and plasterboard. Used on walls and ceilings. Suitable as an underlayment for tile, wallpaper and paint. For indoor use. For compressive strength, see product sheet at [www.bemix.se](http://www.bemix.se)



Seals the substrate and prevents water from the concrete getting into it. The product also greatly enhances adhesion.

Product	Weight	Product	Weight
Laga Vagg	15 kg	Bemix Primer	5 L





Mixer and pump, Rojo 80/S30 HD 40



# MACHINES

## Pumps, mixers and machine packages

With us, you will receive personalised advice and instructional assistance, and upon request, we will also come out to your construction site and ensure that the work gets started and will be up and running as it should be.

In other words, with our machines, accessories and expert assistance, you will feel safe and secure along the entire journey.

We also offer personal advice and instructions. If you want we can come to your site to ensure that work gets going and runs as it should. Using our machines, accessories and expertise means that you can feel secure throughout the process.

### **Our range**

We supply machines and accessories that are practical, reliable and easy to use. They have been developed to work optimally with our products and, in combination with our special mortars; these machines can make your construction process more effective. At the same time as you purchase material from us you have the opportunity to hire or buy machinery. Among other things we have the advantage of being the general agent for Rojo which manufactures some of the best and toughest mixers for professional use on the market.



Flat mixer Rojo 80

# Pumps

## Pumps

For the best results we offer end-to-end solutions. This is possible thanks to our comprehensive machine park including pumps, mixers and flat mixers. We have everything from hand operated injectors to pumps for

injection, jointing, rendering, underpinning etc. Our pumps are available for sale or hire. A hose is not included, but of course one can be rented.



Jointing concrete elements with Bemix F4 and Bemix F4 FF.



Heavy duty and reliable pump that fits well under flat mixers such as the Rojo 80. Suitable for use with Bemix 310, Bemix 310 FF, Bemix F4, Bemix F4 FF, Bemix Elementfogbruk and Bemix Elementfogbruk FF.

Art.nr	Product
2820309	Brukspump S 30

Art.nr	Product
2820319	Brukspump S 30 HD 40

## Which pump should I choose?

	S 30	S 30 HD 40	S 44	S 48
Part number	2820309	2820319	2820339	2820349
Capacity	10–30 l/min	10–50 l/min	20–40 l/min	20–50 l/min
Maximum stone size	4 mm	6 mm	4 mm	4 mm
Pump hose	1"–1 1/4"	1"–1 1/4"	1"–1 1/4"	1"–1 1/4"
Motor	3-phase power supply	3-phase power supply	3-phase power supply	3-phase power supply
Weight	120 kg	140 kg	130 kg	220 kg
Can be used with	Bemix F4, 310 as well as winter use	Bemix F4, Elementfogbruk, 310 as well as winter use	Bemix F4, 310 as well as winter use	Bemix F4, 310 as well as winter use





Mono screw pump. Suitable for pumping Bemix F4, Bemix F4 FF, Bemix High Tech 310, and Bemix High Tech 310 FF.

Art.nr	Product
2820349	Brukspump S 48



Pumps thixotropic mortar such as Bemix High Tech 310, Bemix High Tech 310 FF, Bemix F4 and Bemix F4 FF. Excellent for jointing concrete elements or blocks of granite.

Art.nr	Product
2825625	Brukspump S 36

	S 36	MP 1	TS 750 V	TS 2 MN
Part number	2825625	2820209	2820219	2820229
Capacity	10–20 l/min	~1 m <sup>3</sup> /h	0,7–1,5 m <sup>3</sup> /h	~2 m <sup>3</sup> /h
Maximum stone size	4 mm	4 mm	4 mm	4 mm
Pump hose	1"–1 1/4"	1 1/4"–2"	1 1/4"–2"	1 1/4"–2"
Motor	1-phase power supply	1-phase power supply	1-phase power supply	3-phase power supply
Weight	105 kg	80 kg	78 kg	140 kg
Can be used with	Bemix F4, 310 as well as winter use	Bemix Standard, A3, Fin as well as winter use	Bemix Standard, A3, Fin as well as winter use	Bemix Standard, A3, Fin as well as winter use

# Mixers

## Rojo's mixers

Rojo mixers are reliable, heavy duty and robust and are excellent at mixing concrete, mortar and fireproof filler, but also rubber chips, ash, chemical fertiliser and soil. Unique to Rojo mixers is that all components can be replaced and that it is easy to obtain spare parts.

They are also CE marked in accordance with the European safety standard. Another important benefit is that because all components are easily accessible they are easy to empty and clean. The mixers are available for sale or hire.



The **Rojo 80** is a new compact model which can mix the toughest materials such as earth-moist concrete. The drum is made of Hardox 400 which is a very durable steel.

Art.nr	Product
2830089	Planblandare Rojo 80



The **Rojo 230** is a batch mixer for plaster, mortar and concrete. The open structure under the mixer makes it easy to empty into a wheelbarrow or screw pump.

Art.nr	Product
2830059	Rojo 230

## Which mixer should I choose?

	Rojo 50	Rojo 80	Rojo 130/230
Part number	2830119	2830089	2830059
Capacity	50 kg mortar or concrete	150 kg mortar or concrete	125 l/225 l
Total height	164 cm + 250 mm wheel	116 cm + 250 mm wheel	140 cm
Weight	90 kg	155 kg	400 kg/500 kg
Motor	1,5 kW 400 V/50 Hz 250 rpm	3,0 kW 400 V/50 Hz 44 rpm	4 kW (5,5 hk) 400 V/50 Hz 3 rpm, 3-phase
Materials	Galvanized or painted steel	Hardox 400, painted steel	Engineering steel
Draw off height	76 cm	65 cm	63 cm
Max. width	110 cm	76 cm	148 cm
Cover	-	Grid cover with sack cutter	Fibreglass



# Bulk bag holder

## Bulk bag holder/bag emptier

Using our practical bulk bag holder means that there is less lifting to be done which makes work easier and saves your back. Holds between one and ten tonnes.



**ST1** Big bag containers with screw pocket. Holds metric one ton.

Art.nr	Product
2840009	ST 1



**ST3** Big bag containers with pocket. Holds approximately two metric tons.

Art.nr	Product
2860009	ST 3



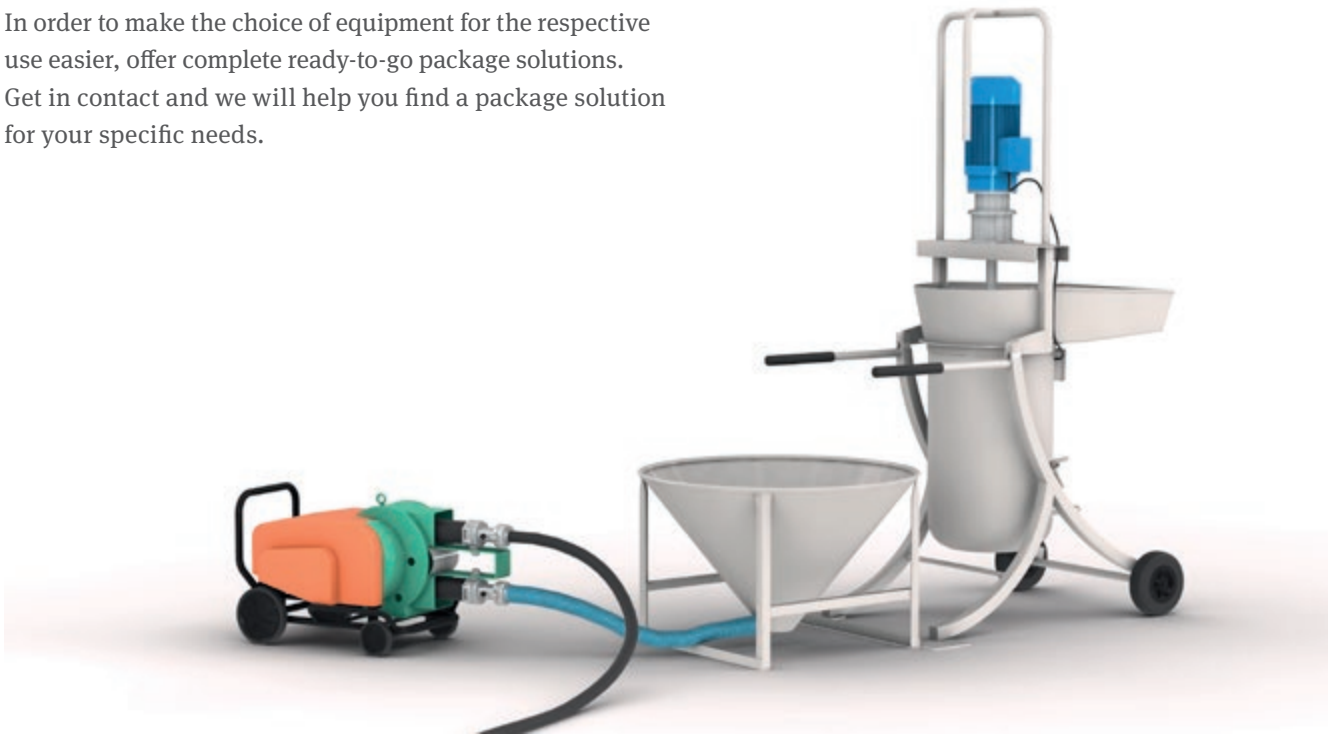
**ST5** Big bag containers with screw pocket. Holds approximately two metric tons.

Art.nr	Product
2810019	ST 5

# Machine packages

## **Our package solutions**

In order to make the choice of equipment for the respective use easier, offer complete ready-to-go package solutions. Get in contact and we will help you find a package solution for your specific needs.



## **Rapid mixer equipment**

Rojo 50 rapid mixer, drum, hose and hose pump TS 750 V. Suitable for small underpinning jobs from approximately 100 kg up to a couple of tonnes.



## **Automatic mixer equipment**

Automatic mixer 404, drum, hose and hose pump TS 750 V. Suitable for slightly larger underpinning jobs from a couple of tonnes and upwards.





### Jointing and bulk bag equipment

Pump S 30 HD 40, Rojo 80 mixer and ST 1 bulk bag holder. For prefabricated concrete installation with a lot of jointing.



Water barrel with immersion heater

## Accessories

To give you the best conditions for your construction process we also supply accessories for machines, such as Wireless remote control and pump hoses.

Art.nr	Product
2920045	Pumpslang
2920035	Trådlös fjärrstyrning
2850035	Tryckstegringspump
2850025	Vattentunna med doppvärmare



Fracturing using Snigeldynamit



# SNIGELDYNAMIT®

## High-expansion cement for quiet and effective fracturing

Sometimes conventional blasting techniques cannot be used to remove boulders, rock outcrops or concrete foundations, because of their location. Use snigeldynamit (snail dynamite) to fracture stone, rock and concrete – silently, simply and carefully without impacting the surrounding area. The product can be used both outdoors and indoors, above ground and under water, as long as the temperature is above freezing.

Fracturing stone, rock and concrete using snigeldynamit is simple. It is vibration-free and does not cause fragmentation or gassing. No licence is needed to buy or use the product, and nor is expensive pre-inspection or re-inspection of neighbouring buildings. Fracturing is carried out when and where you want. All in all this gives a safe and satisfactory result and is economically sound.

### How does Snigeldynamit® work?

Snigeldynamit is a lime-based product that is mixed with water and which expands slowly as the mixture hardens. As it expands the pressure builds to over 80 MPa (8000 tonnes/m<sup>2</sup>). This means that granite, with a splitting tensile strength of 6–16 MPa, can be fractured easily. The same applies to plain concrete (3–5 MPa).

The expansion continues even after cracks have formed in the object. This expands the cracks even further, which makes transporting the fractured material away easy.



### Snigeldynamit®

Used for soundless, dust-free and vibration-free splitting of stone, rock and concrete. Damage to neighbouring objects and buildings, which can easily occur with conventional blasting, is avoided. Cracking pressure > 80 MPa.

Art.nr	Product	Vikt
1134135	Bemix Snigeldynamit®	4 kg
1134145	Bemix Snigeldynamit®	10 kg

# Instructions for use

## Drilling holes

Because snigeldynamit expands at right angles to the hole, drill as parallel to the open face as possible. This provides the best possible fracturing.

## Mixing

If the temperature of the object is above 20°C mix the snigeldynamit to a runny, gruel like consistency using the coldest water possible. If it is less than 10°C, use water at 20°C. Too much water reduces the force of expansion, so it is important to take care regarding the amount of water used.

## Filling the holes

Handing times are short so the hole should be filled as soon as the mixture is ready.

## Correct temperature

To avoid blowout the temperature is important. Blowout means that the mixture spurts out of the hole. This can occur if the rock or stone is too hot when it is filled, or if the temperature of the mixture is too high. The risk of blowout also increases when the diameter of a drill hole exceeds 40 mm, or in the case of holes drilled in concrete using a diamond drill bit. To minimise the risk of blowout cover the holes with wet sacking or the like and keep this wet for 24 hours.

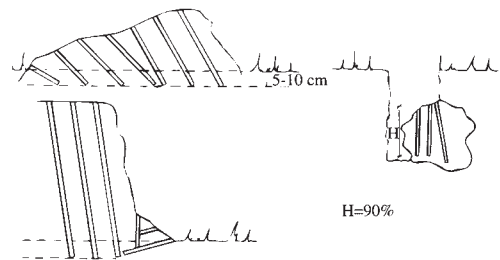
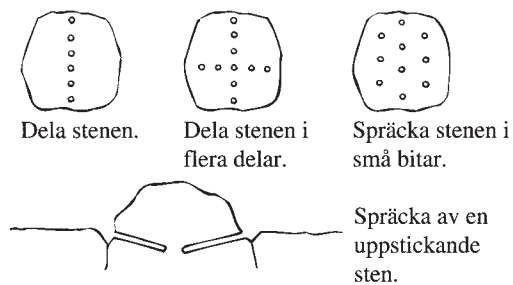
## Expansion and fracturing

Fracturing is usually complete after about a day. The structure and temperature of the object determines how long this takes. For example in rock it may take several days before fracturing is fully complete.





# Drilling instructions



## Stone

When drilling in stone make 30–40 mm diameter holes. The distance between the holes should be ten times the hole diameter, in other words 300–400 mm. The holes should be at least 300 mm deep and 80 per cent of the objects thickness. Larger holes provide a higher fracturing force.

## Rock

When drilling in rock make 30–40 mm diameter holes. The distance between the holes should be five times the hole diameter, in other words 150–200 mm. The drilled depth should be 50 mm deeper than the intended crack-line. The holes must also be positioned so that fractured rock can fall away freely.

## Remember...

Always use gloves and protective goggles as the mixture is alkaline and corrosive.

It is important that the hole diameter, depth and spacing is exactly right. The same applies to the water mixture and water temperature.

Never stand above filled holes. Blowout can take place if the temperature in the stone is too high when it is filled for example.

Read the detailed instructions in the packaging.

## Usage table

Hole diameter	Snigeldynamit® kg/metre	This is how far the different packages last	
		4 kg	10 kg
35 mm	1,8 kg	2,2 m	5,6 m
38 mm	2,1 kg	1,9 m	4,8 m
44 mm	2,7 kg	1,5 m	3,6 m

See our films at



## On our way to greener concrete

We have a natural commitment to sustainability issues; investing in the environment and the future comes instinctively. Since 2015 we have been self-sufficient in green electricity. Together our two wind power generators, up on Rödshöjden outside Sollefteå, produce almost 20 GWh of renewable energy. This is twice as much as the company consumes today; giving us the opportunity to grow while at the same time contributing to a sustainable society.

## Please get in contact with us

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This brochure is intended to inspire and show examples of how different jobs can be carried out. Bemix is not responsible of structural solutions as the surrounding environment and the quality and condition of the substrate play an important role. For up-to-date information always refer to [www.bemix.se](http://www.bemix.se).

