

# Seire

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## ADIPOX INYECCIÓN

**Solvent-free fluid epoxy resin**

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Very low viscosity

Long application time

Very good adhesion to mineral and metal substrates

Allows slightly damp substrates

Solvent-free (100% solids)

Cures without shrinkage

High mechanical resistance

Good chemical resistance

For indoor and outdoor use



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# ADIPOX INYECCION

## Solvent-free fluid epoxy resin

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### Product description:

ADIPOX INYECCIÓN is a two-component, high fluidity, solvent-free epoxy resin for the reinforcement of concrete structures by injection into cracks, crevices.

After curing, ADIPOX INYECCIÓN is resistant to the passage of water, chemicals, frost and weather.

### Applications:

Sealing cracks in concrete structures

Reinforcement of cracked structures (horizontal and vertical)

Do not apply in cracks subject to movement

For indoor and outdoor use.

### Substrate Preparation:

Make sure cracks are dry (residual humidity less than 5%). Clean out dust with compressed air.

For vertical cracks, drill small holes into the sides of the crack, staggered on each side every 30 cm and at a 45° angle. Insert metal injector tube into the holes.

Attach flexible tubes to metal tubes, attached to injection equipment.

Cracks are outwardly sealed with a quick mortar so that only the injection tubes protrude.

### Mixture:

Stir the individual components of ADIPOX INYECCION before mixing.

Pour the contents of component B into the container of component A and mix the two components thoroughly with a stirrer at low revolutions for a minimum of 3 minutes.

Part of the mixture can be put back into the container of component B to gather up residues remaining in the container. The mixture which has been put back into the container of component B can then be returned to the mixing container and stirred for a further 30 seconds. This mixing process ensures the product's consistency and that any residual resin remaining in the containers reacts, facilitating subsequent management of residues.

### It is not advisable to carry out partial mixtures by volume.

After mixing both components, 1Kg of ADIPOX INYECCION, will remain workable for 50 minutes at temperatures between 18°C and 20°C.

If Pot-Life is exceeded the mixed product loses its characteristics and should be disposed of.

### Recommendations:

After mixing the two components of ADIPOX INYECCIÓN, use immediately. Towards the end of the mixture's useful life and due to its high level of reactivity, the mixture will heat up, resulting in a sharp decline in its Pot-Life. The heat increases in proportion to the amount of resin remaining in the container.

In these cases (high temperature) do not touch the drum. In case of fumes, cover with the lid, but do not close, and, using the handle, place somewhere cool and well ventilated or somewhere outdoors to prevent the accumulation of gases.

Note that higher temperatures shorten time of use and lower temperatures lengthen it.

### Limitations:

Do not use ADIPOX INYECCIÓN where ambient and/or substrate temperatures are less than 10°C or less than 3°C above the dew point.

Do not use where ambient and/or substrate temperatures exceed 30°C or where ambient humidity exceeds 85%.

Applicable in cracks up to 50mm wide.

Do not apply in cracks subject to movement.

### Method of application:

For vertical application, use previously prepared injectors tubes.

The prepared mixture is introduced using an injection pump through the lower injector tube until resin flows from the next tube. At this point close the lower tube and repeat the process on the next injector tube.

Be aware of curing time, especially at high temperatures, so that the resin does not harden while in the tank of the injection pump.

Remove the injection tubes 24 hours after the injection process and smooth off the structure surface.

Horizontal applications can be performed in same way as vertical applications or by pouring.

In this case, deepen the crack further with holes to a depth 2/3 the slab's thickness, separated by a distance of 10 cm (minimum hole diameter 12mm). Make a cut with a circular saw perpendicular to the direction of the crack and, if necessary, reinforce with metal staples.

For cracks 5mm wide, an approximate mixture ratio is recommended (by weight) of 1:0.5 parts ADIPOX INYECCIÓN to 0.4mm filler sand.

### Consumption:

ADIPOX INYECCIÓN consumption depends on the size of the cracks that are to be treated so cannot be accurately determined prior to injection.

Based on its density, each litre of filler equates to 1.1 kg of product.

### Cleaning of tools and equipment:

ADIPOX INYECCIÓN can be cleaned immediately after use using a solvent such as ARDEX RTC. If the product is allowed to harden, it will have to be removed mechanically.

### Residues/spillages:

Any spillage from any of the products must be removed immediately with sand, vermiculite or other inert material and collected in a suitable container for proper handling and treatment.

Residues from spillage and empty containers must be dealt with in accordance with local regulations.

For more information see product safety sheet.

### Storage:

ADIPOX INYECCIÓN can be stored for up to 12 months in its original unopened packaging. The product should be stored in a dry place between 5°C and 30°C. Keep away from frost, direct sunlight and sources of heat.

### Precautions:

Causes irritation to eyes and skin, depending on sensitivity. Hazardous to health if ingested.

May cause burns in case of prolonged exposure. Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.

Safety goggles and gloves must be worn at all times while the product is being mixed and when applying the product.

If applying indoors, ensure that the site is well ventilated. After drying, the product is physiologically and ecologically neutral. For more information see product safety sheet.

# ADIPOX INYECCION

## Solvent-free fluid epoxy resin

### Technical data

*(based on tests conducted in our laboratory according to current regulations)*

<b>Mixing ratio:</b>	As indicated on packaging.
<b>Density:</b>	Approx. 1.1kg/L
<b>Yield:</b>	Depends on cracks. Each litre of filling is equivalent to 1.1kg of product.
<b>Workability time (20°C):</b>	Approx. 50 minutes.
<b>Hardening (20°C):</b>	After 6 h. approx.
<b>Total curing (20°C):</b>	After 7 days
<b>Packaging:</b>	Kits of 5kg
<b>Storage:</b>	Approx. 12 months in a dry place and in original unopened packaging.

*Seire takes responsibility for the quality of its products. The application recommendations given are based on tests and practical experience. We will not be held responsible for the product or its application in case of any dosage or application other than as described and recommended. For any questions about this product, please contact our Technical Department. This data sheet remains valid until a new edition is issued.*  
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