



# Injection Resin

An epoxy acrylate styrene free low odour injection resin in a 2 part chemical anchoring system, for securing studding and rebar into concrete, block, brick and natural stone.



## Features & Benefits

- Suitable for use in damp conditions - Saves time in drying repair area
- 2k system - Very fast drying
- Cartridge fits standard caulking gun - No Special tools required
- Good chemical resistance
- Ideal as well for indoor usage

## Part N°:

Injection resin 165ml	86120-33
Mixer Nozzle (pack of 10)	84688-34

## Applications

The KENT Injection resin system is a high performance resin anchor designed for use in concrete, brick, block and natural stone. It provides an expansion free anchorage which can be used at close spacing and edge distances.

Typical applications are holding bolts for machinery, lift guide rails, cladding restraints, curtain walling, safety fences, structural steel beams/columns and brickwork support angles.

## Instructions

1. Drill correct diameter hole to recommended depth. If holes are formed using a diamond drill, sides must be roughened using a rotary percussion bit
2. Clean hole by brushing or blowing to remove drilling debris and dust
3. Unscrew cap, remove plug, balance cartridge and attach nozzle. Insert tube into caulking gun and dispense resin to waste until both components are seen to be mixing properly. Release the pressure on the cartridge.
4. Inject resin into hole. Fill the hole until approx 30% full, filling hole from the bottom towards the top.
5. For hollow material, insert Nylon sleeve first and inject resin into sleeve.
6. Insert stud, rotating by hand to ensure even distribution of the resin around the hole.
7. Allow resin to cure for appropriate time.
8. Attach fixture and tighten to recommended torque.



## Technical Information

<b>Part no.</b>	86120 33	<b>Full cure time:</b>	24 hours
<b>Description:</b>	Injection Resin	<b>Compressive strength:</b>	
<b>Basic Material:</b>	Epoxy Acrylate		639 kg/cm <sup>2</sup> (EN ISO 604/ASTM 695)
<b>Minimum shelf life:</b>	12 months (+5° C to +25° C)	<b>Flexural strength:</b>	
<b>Harzard info:</b>	none		243 kg/cm <sup>2</sup> (EN ISO 178/ASTM 795)
<b>VOC content:</b>	1,85g/L	<b>Flexural Modulus:</b>	
<b>Selling unit</b>	12/box		33130 kg/cm <sup>2</sup> (EN ISO 178/ASTM 795)
<b>Packaging:</b>	165 ml Cartridges	<b>Tensile Strength:</b>	
<b>Consistency:</b>	Paste/gel		131 kg/cm <sup>2</sup> (EN ISO 537/ASSTM 638)
<b>Colour:</b>	Beige	<b>E modulus:</b>	
<b>MSDS:</b>	yes		70000 kg/cm <sup>2</sup> (EN ISO 537/ASSTM 638)
<b>Customs Tariff code:</b>	38160000		

### Typical Gel and Curing Time \*

\* Figures are based on M12 fixings. Full cure is achieved after 24 hours. All specifications are based on use of KENT mixing nozzles 84688-34.

Base material temp (° C )	35	25	15	5	-5	-10**
Typical gel time (mins)	3	6	8	18	50	60
Min. load time (mins)	20	20	20	30	90	180

\*\* Resin temperature must be at least 20° C

## Health & Safety Information

S24 Avoid contact with skin.

S37 Wear suitable gloves.

Contains dibenzol peroxide. May produce allergic reaction.  
Safety data sheet available for professional user on request.

In order to provide you with the most appropriate Personal Protective Equipment when using our products, KENT advises that you follow the guidelines on the packaging of the product before use. The guidelines are there for your protection and KENT provides a range of Personal Protection Equipment such as clothing, eye glasses, goggles, face shields and breathing apparatus, complying with the latest European legislation. If you require further advice then please phone our freephone number and we will be pleased to help you. Telephone: 0800 136925

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