

# RAPID SET

## POST FIX

Polyurethane Foam



### DESCRIPTION

Rapid set post fix is a fast setting polyurethane foam designed specifically for supporting and backfilling of wooden, PVC, steel and many types of inground posts. It is a two component, pre-portioned system that expands to fill the peripheral void between a post and the hole.

### APPLICATIONS

Rapid Set Post Fix is suitable for supporting Non-Safety Critical Applications<sup>1</sup> such as:

- Fence Posts
- Garden light posts
- Mailboxes
- Signs

### Substrates:

- Metal
- Wood
- Vinyl

### ADVANTAGES

- Easy to use;
  - No more handling heavy bags of concrete
  - No water required
  - No messy concrete mixing
- Quickly sets and fast to apply;
  - No time is wasted loading and unloading heavy concrete bags
  - Sets in 3-5 minutes (depending on temperature)
- Good resistance against impacts and shocks
- Adheres to wood, vinyl and metal posts.
- Waterproof - helps protect the post against rotting.
- Can be used outside both in summer and winter time.

### PRODUCT CHARACTERISTICS

<b>Colour</b>	Grey
<b>Appearance</b>	Foam
<b>Composition</b>	Polyurethane foam
<b>Service Temperature</b>	+5°C to +40°C
<b>Product Codes</b>	71MFPP

### TYPICAL PROPERTIES

<b>Mixing Time</b>	20 Seconds
<b>Rise Time</b>	3 minutes
<b>Set time</b>	3-5 minutes initially
<b>Full Strength</b>	2 hours
<b>Volumetric Yield</b>	9,7 L
<b>Weather resistance (cold &amp; hot)</b>	-40°C +120°C
<b>Water absorption</b>	0,17kg/m <sup>2</sup>

**NOTE:** To achieve given times the bottles temperature must be between 22 °C – 25 °C

### TECHNICAL DATA SHEET

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*1. Non-Safety Critical applications are those applications whose failure may NOT endanger human life and/or cause significant economic loss. Please contact your Macsim Fastenings representative for further information.*

## INSTRUCTIONS FOR USE

Read and understand the Safety Data Sheet before using this product. SDS can be acquired by visiting [www.macsim.com.au](http://www.macsim.com.au)

### Applications Instructions

1. Make sure that there is no standing water in the hole before pouring Rapid Set Post Fix adhesive.
2. The bottles acclimatised at 22°C - 25°C for at least 2 hours before using.
3. Pour entire contents of component B into the component A bottle.
4. Shake the bottle for 20 seconds.  
**DO NOT EXCEED 30 SECONDS.**
5. Pour mixed material into the hole before expansion starts.
6. Support the post without moving during the curing process.
7. Ensure this product is only applied in a solid foundation.

### Hole Size

The Size of the hole should be in accordance with the post size. Therefore, the width of the hole should be twice the dimensions of the post and the depth of the hole should be 1/3 portion of the post height. Standard hole diameter for a 100 x 100mm, post is 200mm and the standard post hole auger is 200mm.

Post Size	Hole Diameter	Hole Depth	Required Quantity
50mm Round	150mm	550mm	1 Set
100 x 100mm square	200mm	400mm	1 Set

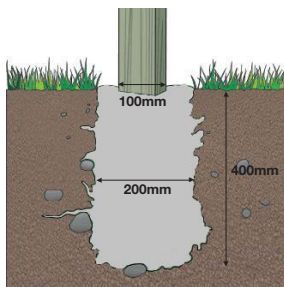


Figure 1: Expands in all directions and adheres to virtually anything in the ground.

### Limitations

Rapid Set is not suitable for the following applications:

- Polyurethane components are moisture sensitive. Therefore they must be stored at all times in sealed, closed bottles.
- Holes wider than 250 mm is not recommended.
- In hot weather, Rapid Set will react very quickly, do not over mix.
- **Never allow the foam to start to expand inside the bottle.**
- If the bottles are below the recommended temperature before mixing, it will take longer to react, expand and set, and will produce less volume.
- If the bottles are above the recommended temperature before mixing, it will react, expand and set faster, lowering the working time and will produce a higher volume, weaker composite.

### Shelf Life

12 months if stored in its original package, away from direct sunlight and moisture, between +15°C and +25°C.

## HEALTH & SAFETY

### Safety

Avoid breathing mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace

If poisoning occurs, contact Poisons Information Centre:  
Australia: 13 11 26; New Zealand: 0800 764 766.

Obtain special instructions before use.

### First Aid

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Specific treatment (see advice on this label). If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

### DISCLAIMER

The information in this Technical Data Sheet (TDS) is based on our present knowledge to the date of the publication. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is only a guide for safe handling, use, storage, transporting and disposal of the product.