

# HIFLEX RR

## Denture Repair & Relining Material (Self Cured)

Hiflex RR is a self curing, fast setting acrylic resin for use in a variety of dental applications. For use in either pressure or paint-on techniques.

For use only by a dental professional in the recommended indications.

### RECOMMENDED INDICATIONS

1. Repair & relining of dentures
2. Construction of temporary crowns.
3. Impression trays for individual teeth.
4. Orthodontic plates, Splints, Check bite & other general purposes.

### Powder :

Dexamethasone 20mg

Resorcin 11g

Zinc Oxide 60g

Barium Sulphate 29g

### Liquid :

Formaldehyde Solution 10ml

### Catalyst:

Resorcin 20g

Hydrochloric acid 2ml

Aqua destillata about 1000ml

### CONTRAINDICATIONS:

In rare cases the product may cause sensitivity to some persons. If such reactions are experienced, discontinue the use of the product and refer to a physician.

### Directions For Use

#### A.PRESSURE TECHNIQUE

The recommended powder/liquid ratio 1g of powder (1<sup>st</sup> graduation of powder measure) to 0.5ml (1<sup>st</sup> graduation of liquid measure) of liquid. The mixture reaches a dough-state 20-30 seconds after mixing. All manipulation should be finished before 2 minutes after mixing when setting starts.

1. Clean denture by brushing with soap and water. Using a sand paper disc, trim down high spots and rough surface around periphery.
2. To ensure a completely uniform bond of the reline plastic to the denture surface, coat denture surface with Hiflex RR Acrylic Prime. If primer is not available, any acrylic monomer (Hiflex RR Liquid) painted over denture surface will improve bond.
3. To protect surfaces not to be bonded, such as acrylic teeth, interproximal areas, outer ridge of denture, opposing denture, any acrylic fillings, jackets or bridges, coat all surfaces with mineral oil. This prevents the acrylic from curing to these surfaces.
4. Pour a measuring 6CC of liquid into a mixing cup and then add a 10CC of powder and stir thoroughly with a steel spatula.
5. Allow mix to gel for about 2 minutes, or until it reaches the consistency at which you wish to work.
6. Spread the mix into the ridge area, covering from crest of ridge to periphery. Also spread mix across post dam area.
7. Place denture into patient's mouth and have patient close jaws slowly to a biting position, bringing teeth into occlusion. Have patient suck in cheeks to muscle trim.
8. After three additional minutes in patient's mouth, remove the denture and check coverage and muscle trim. Material can be added or timed away at this time.
9. Re-enter denture into patient's mouth for another three minutes keeping teeth in relaxed occlusion. Remove denture from patient's mouth and allow to bench cure for 20 minutes.
10. WARNING : DO NOT leave reline plastic to completely self-cure in patient mouth. The exothermic heat of self-curing can be comfortable and can burn tender tissue. Once the plastic reached a stiff rubber like state, additional time in the patient's mouth is of no further value.
11. Let bench cure-1-2 minutes then place in bench press at 30PSI for 20 minutes. Curing under pressure eliminates porosity, thus making a strong, dense, esthetically superior repair.
12. After acrylic is cured, wash plastic in cold water. Trim and polish on a lathe slow speeds. When relining a lower denture, all tissue bearing surfaces of the denture should be covered with acrylic.
13. Paint Varnish over the finished reline. Varnish is a surface sealant used to seal hard and soft relines. Varnish seals in porosity and increase color stability. This can be purchased separately.

### Storage Indications

Store in a cool place away from direct sunlight

Close the container carefully after use. Keep away from moisture. Shelf life not affected after opening if stored in a cool dry place. If not to be used for a longer duration, keep them in refrigerator. Allow material to reach room temperature prior to use

Shelf life: 3 years

**Notes:**

1. Do not use Hiflex RR powder or liquid with components of other brands of acrylic resin.
2. Remove residual resin with a dry gauze after each application.
3. Mop up liquid spills with a dry cloth.

**Packaging**

1. Bottles of powder, 225grams
2. Bottles of liquid, 150ml

**Shades:**

1. Crown Colours : Ivory, Deep ivory, Clear Ivory
2. Gingival Colours: : Pink, Dark Pink, Natural Light Pink, Veined Pink

**Warning:**

1. The liquid is HIGHLY FLAMMABLE Avoid sources of ignition.
  2. In case of contact with eyes, flush immediately with water and seek medical attention.
- Avoid prolonged or repeated contact with skin (allergic contact dermatitis), and eyes. Avoid prolonged inhalation. Do not take internally

Contact with the skin may cause irritation, burns of hypersensitivity. If contact with skin occurs immediately wipe off thoroughly with cotton and alcohol and then wash well with soap and water. If skin rash and sensitization or other allergic reaction occurs discontinue use and seek medical attention.

If the product comes into contact with the eyes, rinse thoroughly with fresh water and consult a physician.

It should not be used with patients who have a history of severe allergic reaction to any of the components.

**Disposal conditions:** To be disposed off based on the prevailing rules of the country in which it is used

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The material has been developed solely for professional dental use. Application should be carried out strictly according to the instruction for use. Liability cannot be accepted for damages resulting from failure to observe the instructions of the stipulated area of applications. The user is responsible for testing the material for its suitability and use for any purpose not explicitly stated in this instruction sheet. Description and data constitute no warranty of attributes and are not binding.