

# Comtech Putty 220

High strength general purpose epoxy and repair putty.

## Description:

**Comtech Putty 220** is a two component epoxy based repair mortar and adhesive.

**Comtech Putty 220** can be used as a bedding mortar, thixotropic adhesive and non-sag concrete repair mortar.

- High abrasion, impact and chemical resistance.
- Can be used as contact surface in aggressive environments
- Cures hard at low temperatures – Wide application range.

## uses:

- Bedding of bridge beams or steel bridge bearings.
- Repairing surface defects in concrete in horizontal, vertical and overhead applications.
- Fining of injection ports for Comtech Seal PU1
- Bonding of dowels, bolts and anchors into concrete.
- Rapid structural repair of concrete.
- Repair of concrete posts in situ

## Advantages:

- Adheres to concrete surfaces
- Allows rapid repair of concrete
- Solvent free – Low VOC and non-shrink.
- Pre-proportioned packaging – No job site errors.
- Easy application – No primer necessary

## Typical properties:

Color	Dark Grey
Density	1850 Kg/m <sup>3</sup>
Compressive Strength (BS 6319 part 2) @ 25°C	40 MPa @ 1 day 65 MPa @ 7 days
Flexural strength (ASTM C 580 part 7) @ 25°C	20 MPa @ 7 days
Tensile Strength (BS 6319)	10 Mpa @ 7 days
Pot Life @ 30 °C	40 minutes

Coating time @ 30 °C	6Hrs
Service temperature	0 to 85 °C

### **Chemical Resistant:**

Resists most common organic and inorganic acids in diluted form, also resistant to alkalis, water, oils, grease, etc.

Chemical resistance depends on the chemicals involved, their concentration, temperature and degree of exposure.

### **Method of use:**

#### **Surface preparation:**

Remove all grease, oil, dust, residual curing compound, mould release agent or other contaminant that could impair adhesion. Laitance should preferably be removed by light sweep blasting or hydro-jetting.

Mechanical wire brushing may be appropriate for small areas.

Spalled concrete should be cut back to sound concrete and made good with **Comtech Putty 220** mortar. Conventional concrete curing compounds should be removed before application.

#### **Mixing:**

Thoroughly stir Part A, add Part B and blend thoroughly using a slow speed mixer fitted with a suitable paddle.

### **Application:**

The **Comtech Putty 220** may be placed using a trowel or spatula and applied evenly across the whole surface. Subsequent coats should be placed within 30-45 minutes and the **Comtech Putty 220** should still be tacky. The use of a trowel dipped in solvent is recommended of a very smooth final surface is required.

### **Yield:**

A 8 kg kit of **Comtech Putty 220** will yield 4.32 Ltr.

### **Health and safety:**

**Comtech Putty 220** does not classified in the hazardous materials; however it should not be allowed to come into prolonged contact with skin and eyes.

The normal safety precautions (hand gloves & safety goggles) are recommended for handling.

The first aid if some harm happened with eyes in to wash with water.

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Users should always refer to the most recent issue of the technical data sheet for the product concerned copies of which will be supplied on request.

