

## 414 QUICK SETTING FLEXIBLE EPOXY

### DESCRIPTION:

MITON QUICK SETTING is a specially formulated two component multi-resin flexible epoxy with incredible adhesion properties and almost limitless capabilities for any type of application use. MITON QUICK SETTING can be supplied in 6 litre kits and 30 litre kits. The 414 QUICK SETTING Flexible Epoxy dries in 2 hours and in 5 hours is fit for forklift traffic.

### UNIQUE FUNCTIONS:

MITON QUICK SETTING can be used for application on marble, terrazzo, concrete, wood, metal surfaces or as a: epoxy marble, general purpose epoxy terrazzo, epoxy adhesive, non porous epoxy terrazzo decorative epoxy aggregate, non-skid floor covering, cement concrete bonding, epoxy stone coat, concrete patching & restoration, self leveling joint material.

### OUTSTANDING FEATURES:

- High adhesion properties
- Chemical resistant
- Moisture insensitive
- Impact resistant
- Abrasive Resistant
- Shrinkage negligible
- Acid & alkali resistant
- Cures at room temperature in 2 hours and in 5 hours is fit for fork lift traffic
- Temperature insensitive
- Resists thermal movement
- Ample working time
- Application temp. - 18°C to 60°C
- Low viscosity
- Good electrical properties
- Resists cracking & chipping



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**SURFACE PREPARATION AND APPLICATION:**

1. CLEAN & ETCH THE CONCRETE SURFACE WITH MITON (177) GROUT & CONCRETE CLEANER.
2. RINSE WITH WATER TO NEUTRALIZE THE SURFACE AND LET IT DRY FOR 24 HOURS, OR USE A TORCH.
3. PRIME THE SURFACE WITH MITON (704) SPARTACUS CONCRETE WATER REPELLENT TO PREVENT ANY MOISTURE THAT IS COMING FROM UNDERNEATH THROUGH THE CAPILLARIES. LET DRY FOR THREE (3) HOURS.

SINCE THE 6 LITRE KIT COVERS 200 SQ. FEET, MEASURE AN AREA OF 200 SQ. FEET AND USE WHITE TAPE TO INDICATE THE DIMENSIONS OF THIS AREA.

POUR THE 4 LITRES OF RESIN AND THE 2 LITRES OF HARDENER IN A 7-8 LITRE PLASTIC CONTAINER AND MIX FOR THREE (3) MINUTES.

POUR THE MIXED PRODUCT ON THE SURFACE IN HORIZONTAL LINES LEAVING A GAP OF 2 LINEAR FEET BETWEEN THE LINES.

USE A LONG BROOMSTICK BRISTLE BRUSH WITH 18" LENGTH AND 6" WIDTH TO APPLY THE MIXTURE.

AFTER 15 MINUTES OF APPLICATION, REMOVE THE TAPE.

CURES AT ROOM TEMPERATURE IN 2 HOURS AND IN 5 HOURS IS FIT FOR FORK-LIFT TRAFFIC. INDUSTRIAL CONCRETE FLOORS

**PHYSICAL PROPERTIES:**

Curing time:	2 hours, 5 hours full cure
Life expectancy:	20 years
Tensile elongation:	5% to 30% (Adjustable by formulation)

**TECHNICAL SPECIFICATIONS:**

Compressive strength ASTM C-109  
1 day (24 hours) 9,600 PSI

Compressive strength ASTM C-109  
7 days (168 hours) 14,300 PSI

Tensile strength ASTM C-190  
7 days (168 hours) 1,800 PSI

Flexural strength ASTM 0-790  
7 days (168 hours) 3,200 PSI



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**TYPICAL USES:**

- Floor overlayment for industrial plants
- Patching and repairing concrete surfaces
- Moisture & temperature barrier
- Balcony or deck traffic coating
- Casting with closed or open moulds
- Potting any type of object
- Encapsulation of electronic components
- Concrete crack or joint repair (Horizontal or Vertical)
- Concrete industry Marine applications Chemical industry

**STORAGE:**

Normal room temperature.

**SAFETY:**

Avoid contact with eyes skin and clothing. Protective clothing, gloves, & goggles are recommended. Contains an amine element which could be harmful if swallowed. If contact made in the eye, flush with lots of clean water and seek medical attention. In case of skin contact, wash with soap and water.

**PACKAGING:**

6 Litre Kits



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**CHEMICAL RESISTANCE:**

CODE: R = Resistant C = Conditional Resistant NR = Not Resistant

**WATERS**

Salt		R	ACIDS		
Distilled		R	Hydrochloric	10%	R
Fresh		R	Sulfuric	10%	R
			Oleic	10%	NR
			Citric	10%	R
			Nitric	10%	R

**ALKALIS**

Calcium Hydroxide		R	<b>SALT SOLUTIONS</b>		
Calcium Hydroxide	25%	R	Magnesium Chloride		R
Sodium Chloride Solution (saturated)		R	Ferrous Sulfate		R
Cement Water		R	Ferric Chloride		R
Sodium Carbonate		R	Copper Sulfate		R
Sodium Hydroxide	25%	R	Calcium Chloride		R
Detergent Solution	(4% Ajax)	R	Allum		R
Sodium Sulfate		R	Aluminum Sulfate		R
			Trisodium Phosphate		R
			Sodium Chloride		R
<b>OXIDIZERS</b>			sodium Acetate		R
Bromide		NR			
Chlorine		NR			
Sulfur Dioxide		R			

**SOLVENTS**

Gasoline		R
Toluol		R
Ketones		NR

**GUARANTEE:**

MITON PRODUCTS are guaranteed 100% when used according to the manufacturer's specifications. Product application and surface conditions are beyond the manufacturer's control. Liability, if any, is limited to replacement of this product only.

**Buyer assumes all risk in use and handling**



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