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## PURE MAGIC 75

### TECHNICAL DATASHEET

**PURE MAGIC 75** ( 75 Shore A) is a two part urethane elastomer that exhibits excellent strength, flexibility, surface reproduction and chemical stability.

#### Application

**PURE MAGIC 75** is a 2:1 mixture with a set time of approx 5 minutes. Initial consistency is much like runny warm honey thickening to a cold honey consistency as the mixture starts to set.

**PURE MAGIC 75** can be released from moulded items in circa 20 minutes depending upon substrate even though moulds do become tougher over a 4 hour period.

**PURE MAGIC 75** is perfect for making flexible moulds that would otherwise require labour intensive fibreglass or box/two piece silicone moulds. Small undercuts are permissible when the **PURE MAGIC 75** is not applied thickly.

**PURE MAGIC 75** is perfect for film prop products or rigid moulds such as concrete stamp moulds. Other potential uses include; bunding of factory doorways, electronics encapsulation, water proof pond material over geotextile material, Concrete stamp mats, Concrete moulds. Use of **PURE MAGIC 75** is limited only by the user's imagination...car engine mounts, moulds for model kit conversions and many more.

**PURE MAGIC 75's** natural colour is beige. Colours compatible with urethane products can be used to colour the product.

All mixing vessels and surfaces contacting the uncured **PURE MAGIC 75** must be dry, otherwise blowing (bubbles) can occur.

Cured PM 75 is impervious to water

The Polyol (Part B), must be thoroughly mixed before use.

#### Product Specification and Physical Properties

Liquid components	70-75 + Shore A
Appearance	Beige
Viscosity	1000 cps
Mixing Ratio Polyol/Iso	2:1

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Reaction Profile	
Cream Time	40 s
Gel Time	240-300s
Mixing	30 secondss with fast drill & mixer attachment(Important)
Finished Density	1000.kg/m3

## Processing Information

Component containers should be pre-heated to at least 20°C prior to mixing/dispensing. Preheat substrate if possible to >20°C. The optimum temperatures can vary depending on ambient conditions, applications and substrate.

## Application Condition

**PURE MAGIC 75** is formulated for application on most surfaces under various conditions. Substrates should however be clean and dry. Water or moisture will react with the components and affect the finished results.

**PURE MAGIC 75** will adhere to many surfaces. Therefore a mould release agent must be used when making moulds.

**PURE MAGIC** sticks to itself seamlessly and multi layer buildups are completely practical and layer lines near invisible.

**PURE MAGIC** forms an excellent bond with many surfaces and a thin layer of freshly mixed material can be used to stick PM 75 moulded components to other surfaces.

## Yield

**PURE MAGIC 75** does not contain blowing agent.

**PURE MAGIC 75** exhibits minimal shrinkage characteristics.

## Product Handling

All persons using polyurethane components should be trained in their use and be familiar with the product MSDS's.

Avoid contact with the eyes or skin and breathing the vapour. Wear appropriate personal protective equipment if necessary.

### **Component A (diphenylmethane-diisocyanate)**

This is a potential respiratory sensitiser. Persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and chronic bronchitis sufferers) should avoid handling this product.

### **Component B (polyol blend)**

This contains polyols

Avoid contact with the eyes or skin. If eye contact occurs, flush thoroughly with water and consult a physician.

### **Cleanup**

Cured **PURE MAGIC 75** is difficult to remove chemically. Therefore spillage should be minimized and cleaned up as soon as possible.

### **Storage**

Components should be stored at temperatures between 15°C and 25°C. Containers should be tightly closed.

Polyols should be remixed before use.

Shelf life is 6 months from delivery minimum

**24 hr Emergency No: 00800 2436-2255**