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PURE MAGIC 25

TECHNICAL DATASHEET

PURE MAGIC 25 (25 Shore A) is a two part urethane elastomer that exhibits excellent strength, flexibility, surface reproduction and chemical stability.

Application

PURE MAGIC 25 is a 100/45 mixture with a set time of approx 9 – 10 minutes. Initial consistency is much like runny warm honey thickening to a cold honey consistency as the mixture starts to set.

PURE MAGIC 25 can be released from moulded items in circa 30 minutes depending upon substrate even though moulds do become tougher over a 4 hour period. Full hardness overnight.

PURE MAGIC 25 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 25** is not applied thickly.

PURE MAGIC 25 is perfect for film prop products or moulds such as concrete stamp moulds. Other potential uses include; bunding of factory doorways, electronics encapsulation, waterproof pond material over geotextile material, Concrete stamp mats, Concrete moulds. Use of **PURE MAGIC 25** is limited only by the user's imagination...car engine mounts, moulds for model kit conversions and many more.

PURE MAGIC 25's natural colour is white. Colours compatible with urethane products can be used to colour the product.

All mixing vessels and surfaces contacting the uncured **PURE MAGIC 25** must be dry; otherwise blowing (bubbles) can occur.

Cured **PM 25** is impervious to water

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



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Product Specification and Physical Properties

| | | PURE MAGIC 25 |
|---------------------------|----------------------|-----------------------------------------------------------|
| Appearance | | Liquid |
| Viscosity | (cps) | 1000 |
| Mixing Ratio (Polyol/Iso) | (pbw) | 100/45 |
| Gel Time at 20°C | (s) | 175 - 185 |
| Tack Free Time at 20°C | (mins) | 9 - 10 |
| Mixing | | 30 seconds with fast drill & mixer attachment (important) |
| Finished Density | (kg/m ³) | 1000 |
| Hardness | (ShA) | 25 |

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 25 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 25 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 50 moulded components to other surfaces.

Yield

PURE MAGIC 25 does not contain blowing agent.

PURE MAGIC 25 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 sensitizer. 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.

Clean-up

Cured **PURE MAGIC 25** 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 hrs Emergency No: 0800 2436-2255