

## TWO COMPONENT POLYURETHANE COATING

### DESCRIPTION:

Aromatic polyurethane liquid. One component, cured by atmospheric humidity.

### SPECIAL FEATURES:

- \*Polyurethane based
- \*Two components,
- \*Long lasting,
- \*Easy to use.

### APPLICATION

- All purpose concrete surface coatings
- Pavements and paths
- Concrete walls
- Factory floors
- Textile factories
- Automotive factories
- Multi storey Car parks and garages
- Warehouses
- Workshops
- Loading platforms,
- Floors subjected to mild chemicals such as food market floors, slaughter houses, food stores etc where some mild chemical and acids might form .
- It can be used anywhere were the floor is subjected to heavy vehicle traffic and some mild chemicals are present.
- \*Hospitals
- \*Laboratories
- \*Car service stations

### TECHNICAL CHARACTERISTICS:

Appearance	Coloured or semitransparent yellow liquid.
Solvent	<b>Xylene</b> - <b>Isobutylacetate</b>
Viscosity	<b>2-10 Pa.s( 25 °C. ta)</b>
Specific weight	<b>0,96 (g/ml)</b>
Coverage	<b>max 200g/m<sup>2</sup> per layer , can also be applied in 2 or 3 layers</b>

### FILM CHARACTERISTICS :

- \*Coloured or transparent, very light yellow colour
- \*Hard but not brittle,
- \*Resistance to some mild chemicals
- \*Adhesion to almost every clean non humid surfaces.
- \*Adhesion resistance on concrete surfaces in light traffic

### SOLUTION CHARACTERISTICS :

- \*Newtonic viscosity
- \*High wetting characteristics,
- \*High penetration strength

### USAGE :

- \*Colored or transparent types can be applied on almost every type of floor,
- \*On protective coatings,
- \*In areas where resistance to certain mild chemicals is required,
- \*Can be used as a primer to Polycoat - 2 C to give better adherence,
- \*In areas where non slip surfaces are required, (special formulation is used)
- \*For repairing old worn concrete surfaces,

### APPLICATION :

- \*Apply clean, dry surface .
- \*Do not apply on wet,damp or humid area. The application surface must be clean , dry, grease and oil free .

\*Stir well with the aid of an electrical hand mixer the content of the packages A and B before using them.

\*Mix well component A and B (comply with mixing ratios given by the company)

\*Depending on weather conditions and surrounding temperatures ,the prepared mixture should be used between 15 - 45 minutes

\*Discard any excess mixture and under no circumstances it should be returned back to the original package.

\*Apply with a roller or a brush,



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\*Apply on dry non humid clean surfaces,  
\*For better results apply 50-150 gm/m<sup>2</sup> POLYCOAT - 1C as a primer and leave to dry then apply POLYCOAT-2C, Depending on the condition of the surface applied on coverage can vary, 200-300 g/m<sup>2</sup> for thin systems and 2-2.5kg/m<sup>2</sup> for each 1mm thickness in the thicker system.

\*Package should not be left open for a long time,

\*Special thinner can be used to thin POLYCOAT-2C if required,

\*Even though POLYCOAT - 2C will dry in 3-6 hours on the applied surface, but will only reach it's final strength after 24-48 hours therefore preferably no traffic should be allowed on that surface for a couple of days .

### COVERAGE

200-300g/m for thin systems.  
2 kg/m<sup>2</sup>/1mm thickness.

### CLEANING OF EQUIPMENT

Tools and mixing containers must be cleaned immediately after use.(before curing)with MEC ,Toluen or similar type of thinners.

### PERSONAL PRECAUTION

It is irritating to eyes and skin and may cause sensitization by skin contact, wear appropriate gloves and protective clothing to prevent contact with skin and clothing..

Wear safety glasses ,goggles to prevent eye contact.

### FIRE FIGHTING MEASURES

Extinguishing media: Sand ,water spray, carbon dioxide and dry chemical(extinguishing powder).Do not use water jet.

Personal protective equipment: self-contained breathing apparatus. Protective clothing.

### HANDLING AND STORAGE

#### -Handling :

For safe handling ensure good ventilation at the workplace, suitable clothing. Wear protection gloves and eye protection.

Eating ,drinking and smoking should be prohibited in area where this material is handled, stored and processed.

#### -Storage :

Store in a dry area. Keep container tightly sealed in a cool storage room. Can be stored for one year in their original, undamaged , unopened containers.

### IMPORTANT INFORMATION

This product is for industrial use only by professional, trained personnel using proper equipment, and is not intended for sale to, or use by , the general public.

### LIMITED WARRANTY

All recommendations, statements, technical data and information contained herein are information received from our raw material suppliers and other sources and is believed to be correct. However we make no warranty , expressed or implied regarding the accuracy of this data or the results to be obtained from the used thereof. This product is warranted to be of merchantable quality when used according to the instruction herein.It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. we assume no responsibility to injury from the use of this product described herein.

The information of this technical data has priority of the product and product application.

Our company has the right to change the technical data according to findings of our research and development department.

After a new version of technical data, the old version lost the validity. If we don't supervise the application, we offer only quality guarantee.



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