

BONDEX 421

Fast drying, Water Based Epoxy Strong Bonding Primer

Description

Bondex 421 is a two-component, Fast Drying, Water Based Epoxy Strong Bonding Primer designed specially for effective bonding of countertops and difficult surfaces (eg. Ceramic tiles, PVC formica, MDF, Metal, etc), It may also be used as a floor primer for epoxy coatings with excellent adhesion to difficult surfaces.

Bondex 421 is designed to improve the adhesion of all toppings and coating systems to the substrate.

Coverage

Coverage varies widely due to the profile of different substrates:

- 100g to 150g per m²
- 1 kg Kit - 6 to 10 m²
- 5kg Kit - 33 to 50 m²

* Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile of the substrate.

Environmental Conditions

Bondex 421 should not be used or applied at temperatures outside of at range of <10°C to >40°C

*temperature control will be required if below this range.

Maximum application temperature is 40°C. Best conditions are 15°C to 25°C, these conditions should be maintained during all the curing time. Application should be done with plenty of air ventilation.

Features & Benefits

- Fast Drying
- Strong Bonding Adhesion onto smooth surfaces
- Binds to Ceramic tiles, PVC, Formica, MDF, Metal, etc
- Improves the adhesion of toppings to the substrate
- Easy to mix and apply

Mixing

Pour part B into part A, stir and completely blend both components using a low-speed mixer using paddle mixer for a minimum of 3 minutes @ 300-400 rpm.

Tool Cleaning

Tools and equipment should be cleaned whilst the resin is still wet and should be cleaned using **Water**

Product Application

Once mixed the primer should be applied immediately in a thin continuous film. As a Primer, 100-150g/m². Work the primer into the surface using a roller. On surfaces, **Bondex 421** will finish to a smooth surface, use enough required amount primer to ensure complete surface sealing.

Suitable Substrates

Thoroughly prepared Concrete, Polymer modified sand and cement screeds, Metal, wood, PVC, Formica, Ceramic tiles.

Substrate Requirements

Requirements as follows:

- Sand to generate a Key
- Give the surface a good clean
- Even and regular surface.
- Clean and dry, free of dust, loose particles, oils, organic residues, laitance and contaminants.

Overcoating Times

Touch dry in 1-2 hours @ 20°C with air ventilation. Overcatable, once touch dry.

Technical Information

PRODUCT INFO BEFORE APPLICATION

	Component A	Component B
Chemical Description	Epoxy	Aqueous Polyamine Solution
Physical State	Liquid	Liquid
Packaging Kits		
1kg kit - Component A & B 5kg kit - Component A & B		
Mixing Ratio	A = 4 by weight	B = 1 by weight
Use Before	12 months after manufacturing date	
Pot Life	Temp (°C)	Pot Life (100 g, min)
	20	60
Storage	Keep between 10°C and 40°C. Component A may crystallize if stored for protracted periods under certain conditions. If this occurs, it can be restored to its original conditions by heating it to 70-80°C and stirring it thoroughly.	
	Shelf Life 12 Months (If unopened)	



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FINAL PRODUCT INFORMATION

Final State Matt, Rigid, Homogeneous material

Colour White

Use Temperature Stable up to 80°C

Disposal of Containers

Empty containers must be handled with the same precautions as if they were full. Treat empty containers as hazardous waste, and transfer them to an authorized waste manager. If the container still has some material left, do not mix with other product before considering the risk of potential dangerous reactions.

Technical Advice

For further information on this or any other Sindec product, please contact our office.

Health & Safety

Before using this product, please ensure that you have received and read the product Safety Data Sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

Additional Information

The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control.

Properties and coverage rates shown are for guidance purposes only. The user of the product must determine the product's suitability for the intended purpose. We reserve the right to make any changes according to technological progress or further developments.

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