Carbonamine™ Cold Cure Rapid Prime

A unique coating made with a new patented technology combining the durability of polyurea/polyaspartic with an ingredient made from waste carbon dioxide.

100% Solvent Free | up to 18% CO_2 | Rapid Cure | Time Saving

Carbonamine Cold Cure Rapid Prime is an unpigmented, two part modified polyurea concrete primer that in cold conditions is ready to re-coat in 60 minutes down to a temperature of 0°c, thanks to the use of Cold Cure Technology.

Carbonamine CC Rapid Prime has a long pot life but when applied is quickly cured by the action of atmospheric moisture. Carbonamine Rapid Prime will rapidly develop a bond to concrete that is stronger than the concrete itself.

Carbonamine CC Rapid Prime can be used for priming and sealing porosity in concrete, masonry and other non metallic substrates before coating with polyurea spray, polyurethane or epoxy coatings, mortars or screeds.

SUBSTRATES. Carbonamine Rapid Prime should be applied to dry cured substrates but trace amounts of surface moisture can be tolerated.

PREPARATION Concrete substrates should preferably be diamond ground or blasted but if this is not possible the surface must be clean and free of loose material, laitance, oil, grease etc.

MIXING Add all of the hardener to the tin of resin and mix slowly for several minutes preferably using a flat mixing blade in a drill. Try not to mix air in with the resin as this will reduce pot life.

If you require a smaller quantity or are unable to use all of the material within its pot life, weigh out resin and hardener in the proportions specified on the label using digital scales.

SOLVENT Up to 10% of Xysol PU solvent may be used for spray application.

APPLICATION Carbonamine Rapid Prime can be applied by brush, roller or airless spray.

A thin coat should be applied ensuring that the material is worked well into pin holes and imperfections so that 100% of the surface has been covered. Avoid leaving excess material to form thick areas as foaming may occur.

On some porous substrates a second coat may be required to completely seal all porosity.

OVER-COATING Carbonamine Rapid Prime can be over-coated with virtually all other types of coating as soon as it can be walked on which is 20-40 minutes in most conditions.

Carbonamine Rapid Prime will chemically bond to epoxy, polyurethane and polyurea coatings provided they are applied before the Carbonamine RAPID PRIME is fully cured. We recommend that Carbonamine Rapid Prime is over-coated within 48 hours.

Advantages of Carbonamine™ Cold Cure Rapid Prime

- **Rapid Cure**: Can usually be over-coated in 60 minutes
- **Cold Cure**: Will cure down to 0°c with Carbonamine™ CCT Technology in 50 - 60 minutes.
- **High Tensile Strength**: Rapidly develops an exceptional bond to dry and slightly damp substrates.
- **Easy to Apply**: Is easy to mix and apply.
- **Long Pot Life:** After mixing gives ample time for application.
- **Compatible**: Can be over-coated with most other coatings including epoxy, polyurea, polyurethane, polyaspartic etc.

Carbonamine Cold Cure Rapid Prime -Specification	
Type	Two part moisture activated polyurea coating
Mix ratio	See label on tin
Hardener	Xyanco 243
Resin Density	1.06 kg/litre
Coverage	6 - 8 m2/litre, depending on surface texture and porosity
Minimum over-coating time	50 minutes
Maximum over-coating time	48 Hours
Solvent	Thin with Xysol PU if necessary and for spraying
Colours	Clear
Pack sizes	1, 2.5, 5 and 10 litre
Shelf Life & Storage	6-12 months in original, unopened container. Store in cool, dry conditions

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Carbonamine™ Cold Cure Rapid Prime

Carbonamine - a unique coating made with a new patented technology combining the durability of polyurea/ polyaspartic with an ingredient made from waste carbon dioxide.

Other Carbonamine™ Products

Carbonamine™ Bell Metal
Rapid Cure, Modified Polyurea Pigmented Coating

Carbonamine Bell Metal is a rapid curing, two pack modified polyurea coating that is available in a range of colours. It has a long pot life but quickly cures to a hard, but slightly flexible surface that is extremely abrasion resistant.

Its long pot life and quick cure allows two coats to be applied to small areas from a single mix. This attribute saves time and material.

It is ideal for use on floors, ships decks and in other high wear situations where rapid return to service is required.

Carbonamine™ Rapid Prime
Rapid Curing, Time Saving Polyurea Coating

Carbonamine Rapid Prime is a solvent free, unpigmented, two part polyurea concrete primer that in most conditions is ready to re-coat in 20-40 minutes, thanks to the use of Advanced Cure Technology.

Carbonamine Rapid Prime has a long pot life but when applied is quickly cured by the action of atmospheric moisture. Carbonamine Rapid Prime will quickly develop a bond to concrete that is stronger than the concrete itself.

Carbonamine™ Rapid Cold Cure Self Leveller
Self Smoothing, Modified Polyurea System for Perfect Floors

Carbonamine Rapid Cold Cure Self Leveller is a specially formulated, two part epoxy system that when mixed with its aggregate pack will provide a low viscosity compound which is easy to apply with simple equipment.

It will provide a perfect, seamless floor that is completely free from air bubbles and other defects and will cure in temperatures as low as 0°c, thanks to Cold Cure Technology.

It contains a unique blend of additives that rapidly and completely remove all entrained air that often spoil the surface of similar systems. Large areas can be quickly finished to produce an attractive, durable floor that is easy to clean.

Carbonamine™ - will be available under licence to coatings manufactures so that as many countries as possible can benefit from this patented sustainable coating solution.

Please visit our web site at
Carbonamine.com
for details of our other products.

COVERAGE
It is the applicators responsibility to ensure that the correct coverage is achieved.

We recommend that the area that should be covered by one pack of coating is marked out. Adjust the application rate to ensure that the marked area is covered by the entire contents of a pack. Porous or rough substrates will require more product than regular substrates.

HEALTH & SAFETY
Please see the Safety Data Sheet for full information. All users should ensure appropriate protective measures are adhered to when applying our products.

DISCLAIMER
Customers are advised to thoroughly read and adhere to the instructions provided to ensure the products' optimum finish and performance. All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Any deviation by the user to these instructions may affect the products performance and is therefore not advised. In this circumstance, Xymertec Ltd will not be held responsible and will be unable to offer any product replacement. Users should always carry out sufficient tests to establish the suitability of any products for their intended applications.

We aim to ensure consistency of colour in production (where applicable), however slight variations in shade may occur from batch to batch.

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