



The Chemical Company

# CONCRESlVE® 1020

## High performance primer

### Description

CONCRESlVE® 1020 is a two component solvent free primer based upon epoxy resins for use with appropriate epoxy overlays and coatings. It is used to promote the adhesion of toppings / coatings to existing concrete substrates.

### Primary uses

CONCRESlVE® 1020 is non tainting and can be used with safety in food processing areas. It is used to bond epoxy coatings to concrete and other materials after first ensuring their strength and suitability as substrates. CONCRESlVE® 1020 is moisture tolerant and can be applied to damp, but not wet surfaces.

### Advantages

- CONCRESlVE® 1020 provides permanent adhesion to:
  - concrete
  - cementitious systems
  - timber
  - granolithic screeds
  - masonry paving
  - mild steel
- Excellent mechanical properties
- Excellent water resistance
- A range of performance capabilities

### \*Pot life

25°C	90 mins
40°C	30 mins

### Packaging

CONCRESlVE® 1020 is available in 1 litre pack.

### Application procedure

#### Preparation:

In new construction, concrete to receive high performance coating and overlay systems should be designed, mixed and placed in accordance with internationally accepted good practice. Sufficient compressive and tensile strength to withstand dynamic loading is required. Good surface strength is essential but too dense a surface caused by over trowelling or finishing with steel floats can lead to adhesion failure. Consult BASF's Technical Services Department for advice on concrete mix design, finishing methods and surface texture requirement for individual systems. On existing substrates, laitance or concrete contaminated with oils, greases etc. should be completely removed by mechanical means to guarantee adhesion of the coating or overlay. Finally ensure the surface is dust free, using an industrial vacuum.

Specialist finishes should not be applied to concrete which contains more than 5% moisture by mass. The substrates can be considered sufficiently dry when the relative humidity at the surface falls to 75% or less when measured with a hygrometer to BS 8201 : 1987 Appendix A.

# CONCRESLIVE<sup>®</sup> 1020

Prior to application, CONCRESLIVE<sup>®</sup> 1020 should be stored under cover and in dry conditions, and protected from extremes of temperature which will cause inconsistent workability and cure times of the mixed material. Application in cold conditions should be halted if the ambient temperature is likely to fall below 10°C. Consideration should be given to the substrate or base slab as it may be considerably different from the surrounding air temperature. When temperatures exceed 30°C during application, working times will be reduced significantly. Correct conditioning of the constituents is essential.

## Mixing:

CONCRESLIVE<sup>®</sup> 1020 is a two component product consisting of a base and reactor. The components are pre-weighed and should not be split or divided. Mixing of the base and reactor should continue for at least 1-2 minutes to produce a fully blended uniform material.

## Application:

CONCRESLIVE<sup>®</sup> 1020 is applied by brush or roller and worked well into the surface. Apply according to stated coverage

CONCRESLIVE<sup>®</sup> 1020 should be overlaid whilst it remains tacky. If allowed to cure re-apply within 24 hours.

The following coverage rate has been calculated using theoretical and practical data. Coverage will vary according to the nature of the substrate.

CONCRESLIVE<sup>®</sup> 1020    4-6 m<sup>2</sup>/litre

Calculated usage assumes constant application thickness on a regular substrate.

## Equipment

- Scabblers
- Vacuum recovery shot blasting machine
- Industrial vacuum
- Masking tape/polythene sheets
- Goggles
- Lighting
- Heaters for cold weather work
- Slow speed drill with suitable paddle
- Industrial gloves
- Barrier cream

## Equipment care

Remove CONCRESLIVE<sup>®</sup> 1020 from tools and equipment using CLEANING SOLVENT NO. 2 immediately after application.

## Storage

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air conditioned environment. Shelf life up to one year. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF's Technical Services Department.

## Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Reseal containers after use. For specific storage and disposal instructions refer to the Material Safety Data Sheet.



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## Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

## Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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\* Properties listed are based on laboratory controlled tests.

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**As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.**

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