



The Chemical Company

UCRETE[®] PRIMER RG

Heavy Duty Polyurethane Primer for UCRETE

Description of Product

UCRETE PRIMER RG is a solvent free primer based upon the UCRETE heavy duty polyurethane resin binder system.

UCRETE PRIMER RG is a thixotropic primer and pore filler for use with UCRETE RG render and coving grade.

Fields of Application

PRIMER RG is suitable for use on all substrates prior to the application of UCRETE RG.

PRIMER RG is not a flooring primer and must not be used with UCRETE flooring grades.

Features and Benefits

- Suitable for application on to 7 day old concrete and 3 day old polymer screeds
- Suitable for porous and non porous substrates including concrete, brick, exterior grade plywood, mild steel and insulated wall panels
- Immediate application of UCRETE RG wet in wet for speed of application
- Long open time
- High temperature resistance for use in extreme environments.

Application Procedure

Substrate quality

Substrates will normally be concrete or polymer modified screeds. Other substrates may be suitable; consult your specialist applicator or local BASF Construction Chemicals office for advice.

Concrete and other cementitious substrates must be visibly dry and have an average tensile (pull-off) strength of 1.5N MPa. UCRETE may be applied to substrates of lower strength but the long-term performance may be affected. All traces of contaminants, such as oils, fats, greases, paint residues, chemicals, algae and laitance must be removed.

Preparation of Substrate

As with all surface coatings, proper surface preparation is vital to ensure the successful application and performance of UCRETE PRIMER RG.

Prepare the surface by vacuum shot blasting, concrete surface planer, grit blasting or surface grinding to produce a clean sound substrate with good profile suitable to receive a resin finish.

Cut anchor grooves around all free edges as detailed in the design and preparation of substrates brochure.

Mixing and Application

For best results the site and material temperatures should be in the range 15 – 25°C. Minimum substrate temperature 5°C

Do not apply when atmospheric condensation is occurring or likely to occur before overcoating, i.e., when the dew point is reached or when the ambient or substrate temperature is within 3°C of the dew point.

Mix with a low speed electric drill operated at 350-500 rpm and mixing head in a suitable container.

The working life is approximately 10 minutes. Multiple units may be mixed, but do not mix more material than can be applied in 10 minutes or overcoated within 1 hour.

PRIMER RG should be applied to wet out the surface of the substrate.

The PRIMER RG is applied by brush and roller.

Use a stiff brush to apply into anchor grooves. Do not fill anchor grooves with PRIMER RG

Curing

UCRETE RG is normally applied immediately after the application of the PRIMER RG while the primer is still wet.

The open time of PRIMER RG is 1 hour at 20°C. Do not apply UCRETE RG after this time. If the open time of the primer is exceeded allow the primer to fully cure. Typically 16 hours at 20°C.

Once fully cured, reprime and apply UCRETE RG as normal.

If the time between coats exceeds 48 hours, or if condensation or water impacts the surface, fully abrade the surface. Reprime and apply UCRETE RG as normal.

Coverage

Coverage is greatly influenced by substrate texture and porosity as well as temperature and mixer efficiency. Typical coverage rates are:-

0.15 – 20 kg / m² / unit
7 - 9 m² / unit

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Cleaning agent

Tools may be cleaned immediately after use using Xylene.

Packaging

UCRETE PRIMER RG is supplied in 1.43 kg working packs.

Storage

In covered warehouse conditions, above 5°C and below 30 °C and out of direct sunlight. Materials must be raised off the floor and kept dry. Parts 1 & 2 must be protected from frost.

Disposal

Part 2 containers should be decontaminated with 5% sodium carbonate (washing soda) solution after use and disposed of as building waste in accordance with local regulations.

Warnings and precautions

In its cured state, UCRETE PRIMER RG is physiologically non-hazardous.

Operatives should consult the CoSHH risk assessment and their work instructions.

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Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, e.g. when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

Powder Products

Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes which should be protected during use.

Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

Spillage

Chemical products can cause damage; clean spillage immediately.

Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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